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# Feeding Stuffs Report

## 1936



J. HANSELL FRENCH, *Secretary of Agriculture*

ELMER E. HARTER, JR., *Director of Foods and Chemistry*

*Bureau of Foods and Chemistry*

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# FEEDING STUFFS REPORT

1936

## INTRODUCTION

During the year ending December 31, 1936, 1,297 official samples of feeding stuffs were obtained by the Food Agents throughout the Commonwealth and of this number 1,192 were subjected to analysis in accordance with the provisions of the Pennsylvania Feeding Stuffs Law, Act of May 3, 1909, as amended.

The Law specifically requires the name and address of the manufacturer or importer, net weight, guarantees for protein, fat and fiber and the names of each ingredient used in a feeding stuffs, to be shown on sacks or attached cards.

Provision is also made for the analysis of special samples of feeding stuffs for residents of Pennsylvania only for a fee of \$1 per sample and accordingly 425 special samples of feeding stuffs were submitted for analysis. The results of analyses of these special samples are not included in this report. The total number of official and special samples of feeding stuffs analyzed during the year 1936, was 1,617.

The 1,192 official samples analyzed were registered by 226 manufacturers and represented 18 classes and 922 brands as follows:

Classes	Samples
Oil Cake By-Products.....	18
Distillery and Brewery By-Products.....	6
Maize By-Products.....	9
Wheat Offal.....	43
Oat By-Product.....	3
Alfalfa Meal.....	3
Dried Beet Pulp.....	1
Proprietary Dairy Feed.....	346
Proprietary Stock, Horse and Mule Feed.....	37
Proprietary Calf Meal.....	11
Proprietary Swine Feed.....	69
Proprietary Chop Feed.....	48
Proprietary Poultry Scratch Feed.....	28
Proprietary Poultry Mash Feed.....	491
Proprietary Small Animal Feed.....	49
Miscellaneous Feed.....	12
Animal By-Products.....	14
Marine By-Products.....	4
Total .....	1192

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## BRANDS REGISTERED

Each brand of feeding stuffs is required to be registered annually and application for registration should be submitted before January 1 of each year or before being offered for sale. The annual registration fees are as follows:

0 to 150 tons, each .....	\$ 5.00
Over 150 tons to 300 tons each .....	10.00
Over 300 tons to 500 tons each .....	15.00
Over 500 tons each .....	25.00

When applications are submitted for registration they must be accompanied by tonnage affidavit duly certified to, showing the exact number of tons of each brand of feeding stuffs sold during the last preceding year, and where no tonnage reports are submitted the Law provides the registration fee as \$25 for each brand, except in the case of Pure Wheat Bran, Pure Wheat Middlings, Pure Wheat Mixed Feed, Pure Rye Bran, Pure Rye Middlings, Pure Rye Mixed Feed, Pure Buckwheat Bran, Pure Buckwheat Middlings, Pure Buckwheat Feed, Pure Corn Meal and Pure Corn and Oats Chop, which above mentioned feeds can be registered for a fee of \$5 each, it being unnecessary to submit tonnage affidavit.

Single grains, when made into meals and unmixed, are not required to be registered, provided no part of the grain has been removed in the process of milling. Pure Corn Meal made by the grinding and bolting of corn, requires registration.

During the year 1936, 5,107 brands of feeding stuffs were registered and 1,341 licenses were issued to 1,008 manufacturers.

## CONCLUSIONS

Of the 1,192 official samples analyzed; 206 or 17.28% were deficient in protein or fat and contained fiber in excess of the tolerances provided, 16 samples or 1.34% were found deficient in protein, 78 or 6.54% deficient in fat and 137 or 11.49% exceeded guarantees for fiber.

Of the total number of samples analyzed, 1,031 represented Proprietary Mixed Feeds, 13 being deficient in protein, 67 deficient in fat and 127 containing excess fiber.

Microscopical examination of each sample was made in order to determine correctness of certified ingredients and no serious evidences of adulteration were found.

In some instances ingredients were found present not claimed by manufacturer and these findings are listed in Table II under the column designated as "Composition". The importance of manufacturers living up to claims made on sacks or attached cards is strongly stressed. The consumer in making his purchase naturally expects the ingredients to be present as claimed, and where an ingredient is omitted by a manufacturer, whether intentionally or not the consumer is not receiving full value for money expended.

TABLE I--CLASSIFICATION SHOWING AVERAGE ANALYSES AND PRICES OF SAMPLES ANALYZED WITH SUMMARY OF DEFICIENCIES

FEEDING STUFFS CLASSES	SAM- PLS	BRANDS	GUARAN- TEED	PROTEIN P. CT.	FAT P. CT.	FIBER P. CT.	PRICE PER TON	NO. DEFICIENT		EXCESSIVE FIBER
								PROTEIN	FAT	
Cottonseed Meal	6	3	6	41.87	6.65	10.76	40.25	---	---	---
Linseed Oil Meal	5	3	5	38.08	5.42	7.46	35.00	---	---	---
Soybean Oil Meal	7	4	7	43.20	5.01	6.05	32.25	---	---	---
Distillers Dried Grains	1	1	1	29.06	6.61	13.05	26.00	---	1	---
Brewers Dried Grains	5	5	5	28.09	5.91	15.67	24.00	---	1	---
Corn Gluten Feed	4	4	4	26.96	2.41	6.90	29.33	---	---	---
Corn Gluten Feed--Sweetened	1	1	1	23.56	1.52	6.85	---	---	---	---
Hominy Feed	2	1	2	11.47	5.82	4.70	39.00	---	---	---
Corn Meal	1	1	--	8.94	3.62	2.05	32.00	---	---	---
Corn Feed Meal	1	1	1	9.75	5.46	3.41	38.00	---	---	---
Wheat Bran	13	11	13	16.62	4.56	9.48	29.17	---	---	---
Mixed Feed--Wheat By-Products	1	1	1	13.94	4.47	7.09	37.00	1	---	---
Wheat Standard Middlings	9	7	9	18.61	5.07	7.42	30.83	---	---	---
Wheat Flour Middlings	12	11	12	17.52	4.61	5.40	35.67	---	---	---
Gray Shorts	2	1	2	13.60	3.23	5.80	30.00	---	---	---
White Shorts	5	5	5	15.42	3.73	3.55	36.50	1	1	---
Red Dog Wheat Flour	1	1	1	18.94	4.41	3.79	35.00	---	---	---
Oat Feed	2	1	2	5.97	1.71	29.99	17.50	---	---	---
Oat Feed--Sweetened	1	1	1	7.50	2.76	23.67	30.00	---	---	---
Alfalfa Meal	3	2	3	19.13	2.86	22.57	41.00	---	---	---
Dried Beet Pulp	1	1	1	10.25	0.51	21.57	---	---	---	---
Proprietary Dairy Feed	346	249	346	24.23	4.36	9.25	35.17	2	34	30
Proprietary Stock, Horse and Mule Feed	37	27	37	12.51	3.45	8.01	40.32	---	1	---
Proprietary Calf Meal	11	9	9	24.51	4.80	4.27	76.91	---	---	1
Proprietary Swine Feed	69	54	68	21.37	4.69	6.94	42.31	2	4	9
Corn and Oats Chop	27	27	24	10.80	4.02	5.73	35.12	---	2	2
Chop Feed	21	13	21	11.80	3.95	10.82	31.93	---	4	6
Proprietary Scratch Feed	28	27	28	11.72	3.09	2.60	40.64	---	3	1
Proprietary Mash Feed	491	396	491	20.52	4.69	6.55	47.68	3	15	67
Proprietary Small Animal Feed	49	31	49	10.99	3.22	1.12	---	6	10	19
Miscellaneous Feed	12	9	12	---	---	---	---	---	---	---
Meat and Bone Scrap	11	8	11	49.70	12.14	2.12	49.33	1	---	1
Tankage	3	3	2	53.31	13.77	1.85	52.50	---	---	---
Fish Meal	4	3	4	60.83	7.73	1.24	42.88	---	2	---
TOTAL	1192	922	1184	---	---	---	---	16	78	137

## KEY TO TABLE II SHOWING ANALYSES OF OFFICIAL SAMPLES

Table II shows in detail the results of analyses under the various classifications, together with their guarantees and a statement as to whether or not they were found to be "As Certified" upon microscopical examination.

Columns are provided for the found and guaranteed protein, fat and fiber.

Each sample is listed with a chemist's number which will be found in parentheses after the brand name. Where two or more samples of the same brand were analyzed, the chemist's numbers are so indicated and average analysis is shown.

Where samples were found to be not "As Certified" same are listed separately.

The several classes of Feeding Stuffs as shown on Table I are classified under the following general headings and sub-headings:

OIL CAKE BY-PRODUCTS including Cottonseed Meal, Linseed Oil Meal and Soybean Oil Meal.

DISTILLERY AND BREWERY BY-PRODUCT including Distillers' Dried Grains, Brewers' Dried Grains.

MAIZE BY-PRODUCT including Corn Gluten Feed, Hominy Feed, Corn Meal and Corn Feed Meal.

WHEAT OFFALS (with and without Ground Grain Screenings) including Wheat Bran, Mixed Feed:--Wheat By-Products, Standard Middlings, Flour Middlings, White Shorts, Gray Shorts and Red Dog Wheat Flour.

OAT BY-PRODUCT including Oat Feed.

ALFALFA MEAL.

DRIED BEET PULP.

PROPRIETARY MIXED FEEDS including Dairy Feed, Stock, Horse and Mule Feed, Calf Meal, Swine Feed, Chop Feed, Poultry Scratch Feed, Mash Feed and Small Animal Feed.

MISCELLANEOUS FEED.

ANIMAL BY-PRODUCT including Meat and Bone Scrap and Tankage.

MARINE BY-PRODUCT including Fish Meal.



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>OIL CAKE PRODUCT</u>							
<u>Cottonseed Meal</u>							
ASHCRAFT-WILKINSON CO., Atlanta, Ga. Cow-Eta Brand 41½ (5255)	41.13	41.00	5.89	5.00	11.18	13.00	As Certified
HUMPHREYS-GODWIN CO., Memphis, Tenn. Dixie Brand 41½--Prime Quality (5256)	41.00	41.00	6.61	5.00	11.86	12.00	As Certified
L. B. LOVITT & CO., Memphis, Tenn. Lovit Brand 41½ (5252; 5486; 5541; 5914)	42.27	41.00	6.86	5.00	10.37	13.00	As Certified
Average	41.87	-----	6.65	----	10.76	----	
<u>Linseed Oil Meal</u>							
BISBEE LINSEED CO., Philadelphia, Pa. Bisbee Brand 34% Old Process Linseed Meal (5785)	33.88	34.00	6.07	5.00	9.26	10.00	As Certified
SPENCER KELLOGG & SONS, INC. Buffalo, N. Y. Kellogg's 37% Old Process Linseed Meal (5441; 5489)	39.19	37.00	4.95	4.50	6.85	9.00	As Certified
SHERWIN WILLIAMS CO., Cleveland, Ohio Pure Old Process 34% Linseed Meal (54B2; 5542)	39.07	34.00	5.57	4.50	7.19	9.00	As Certified
Average	38.08	----	5.42	----	7.46	----	
<u>Soybean Oil Meal</u>							
ALLIED MILLS, INC., Chicago, Ill. 41½ Protein Soy Bean Oil Meal (5360; 54B7)	43.72	41.00	5.56	5.00	5.45	7.00	As Certified
ARCHER DANIELS MIDLAND CO., Minneapolis, Minn. New Process Soy Bean Oil Meal (5521)	44.38	44.00	0.50	0.50	6.01	7.00	As Certified
Old Process Soy Bean Oil Meal (5787)	41.19	41.00	5.64	4.50	7.42	7.00	As Certified
CENTRAL SOYA CO., Decatur, Ind. Central 41½ Protein Soya Bean Oil Meal (5437; 5478; 5543)	43.13	41.00	5.93	4.50	6.00	7.00	As Certified
Average	43.20	-----	5.01	----	6.05	----	
<u>DISTILLERY AND BREWERY BY-PRODUCT</u>							
<u>Distillers' Dried Grains</u>							
THE DEWEY BROTHERS CO., Blancheater, O. Corn 3D (Dewey's Distillers Dried) Grains (5765)	29.06	28.00	6.61	5.00	13.05	14.00	As Certified
<u>Brewers' Dried Grains</u>							
DU BOIS BREWING CO., Du Bois, Pa. Dried Brewer's Grains (602B)	33.69	26.00	5.29	6.00	12.59	15.00	As Certified
DUQUESNE BREWING COMPANY OF PITTSBURGH, Carnegie, Pa. Dried Brewers Grains (Chartiers) (5531)	24.94	20.56	6.16	5.95	16.76	18.50	As Certified
THE NEUMOND CO., St. Louis, Mo. Dried Brewers Grains (5481)	22.38	24.00	5.88	4.50	17.80	18.00	As Certified
PAETOW COMPANY, Milwaukee, Wis. Brewers Dried Grains (5406)	31.44	25.00	5.92	4.50	13.98	19.00	As Certified
JOS. SCHLITZ BREWING CO., Milwaukee, Wis. Schlitz Purity Brewers Dried Grains (5792)	28.00	25.00	6.32	6.00	17.22	20.00	As Certified
Average	28.09	-----	5.91	----	15.67	-----	
<u>MAIZE BY-PRODUCT</u>							
<u>Corn Gluten Feed</u>							
AMERICAN MAIZE PRODUCTS CO., Roby, Ind. Cream of Corn Gluten Feed (5693)	27.25	25.00	2.93	2.00	7.69	8.50	As Certified
CORN PRODUCTS REFINING CO., New York, N. Y. Buffalo Corn Gluten Feed (5253)	28.38	25.00	2.02	2.00	6.31	8.50	As Certified
PENICK & FORD LTD., INC., Cedar Rapids, Iowa Douglas Corn Gluten Feed (5635)	27.94	25.00	2.12	1.50	7.20	8.50	As Certified
A. E. STALEY MANUFACTURING CO., Decatur, Ill. Staley's Corn Gluten Feed (5479)	24.25	25.00	2.55	1.00	6.38	8.00	As Certified
Average	26.96	-----	2.41	----	6.90	----	
<u>Corn Gluten Feed--Sweetened</u>							
CORN PRODUCTS REFINING CO., New York, N. Y. Buffalo Corn Gluten Feed Sweetened (5496)	23.56	20.00	1.52	1.00	6.85	7.00	As Certified
<u>Hominy Feed</u>							
THE QUAKER OATS CO., Chicago, Ill. Yellow Hominy Feed (5764; 6295)	11.47	10.00	5.82	5.00	4.70	5.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>Corn Meal</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
WARREN CITY MILLS, Warren, Pa. Pure Corn Meal (5689)	8.94	-----	3.62	-----	2.05	-----	As Certified
<u>Corn Feed Meal</u>							
JORN W. ESHELMAN & SONS, Lancaster, Pa. Eshelman Red Rose Corn Feed Meal (5442)	9.75	8.00	5.46	3.00	3.41	4.00	As Certified
<u>WHEAT OFFAL</u>							
<u>Wheat Bran</u>							
(With and Without Ground Grain Screenings)							
CALLENSBURG ROLLER MILLS, Callensburg, Pa. Pure Bran (5979)	14.00	15.00	4.00	4.00	9.27	10.00	As Certified
COMMANDER-LARABEE CORPORATION, Minneapolis, Minn. Sunfed Wheat Bran with Ground Screenings not exceeding Mill Run (5366; 5975)	17.54	14.00	4.74	4.00	10.07	12.00	As Certified
THE FAIRCHILD MILLING CO., Cleveland, O. Wheat Bran with Ground Screenings not exceeding Mill Run (5950)	17.13	14.00	5.41	3.50	11.21	12.00	As Certified
INTERNATIONAL MILLING CO., Minneapolis, Minn. Blackhawk Pure Wheat Bran (5247)	17.94	15.00	4.65	3.20	10.58	12.00	As Certified
W. J. JENNISON, Minneapolis, Minn. Sweet Cream Pure Wheat Bran (6288)	18.38	15.00	4.93	4.00	8.78	12.00	As Certified
KING MIDAS MILL CO., Minneapolis, Minn. Cloverleaf Pure Wheat Bran (5382; 5438)	17.91	15.00	5.25	4.00	10.41	12.00	As Certified
C. C. REPLOGLE, Woodbury, Pa. Winter Wheat Bran (6226)	15.63	15.00	3.69	3.50	8.81	10.00	As Certified
SNYDER MILLING CO., Timblin, Pa. Pine Run Mills Pure Wheat Bran (5725)	15.19	14.00	4.39	3.00	9.36	12.00	As Certified
P. W. STOCK & SONS, Hillsdale, Mich. Stock's Bran (5990)	18.31	17.00	4.42	4.00	8.42	10.00	As Certified
WASHINGTON MILLING CO., Washington, Pa. Pure Bran (5508)	14.81	14.00	3.65	3.00	8.65	10.50	As Certified
WOODBURY MILLING CO., Woodbury, Pa. Wheat Bran (6211)	13.81	15.00	3.93	4.00	7.25	10.00	As Certified
Average	16.62	-----	4.56	-----	9.48	-----	
<u>Mixed Feed--Wheat By-Product</u> <u>(With and Without Grain Screenings)</u>							
THE QUAKER OATS CO., Chicago, Ill. Buckeye Feed (6296)	13.94	15.50	4.47	4.50	7.09	10.00	As Certified
<u>Wheat Middlings</u>							
<u>(With and Without Ground Grain Screenings)</u>							
<u>Wheat Standard Middlings</u>							
COMMERCIAL MILLING CO., Detroit, Mich. Comco Wheat Middlings (5944)	16.56	14.00	4.13	4.00	6.78	7.00	Wheat middlings with mill run screenings.
B. A. ECKHART MILLING CO., Chicago, Ill. Standard Wheat Middlings with Ground Recleaned Wheat not exceeding Mill Run (5377)	18.94	15.00	4.70	4.00	7.38	9.50	As Certified
INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Blackhawk Wheat Standard Middlings with Ground Screenings not exceeding Mill Run (5238)	18.00	16.00	4.84	4.50	7.19	8.50	As Certified
KING MIDAS MILL CO., Minneapolis, Minn. Wheat Standard Middlings and Ground Wheat Screenings not exceeding Mill Run (5383)	18.19	15.00	5.01	4.00	8.30	9.50	As Certified
NATIONAL MILLING CO., Toledo, Ohio Nemco Wheat Middlings with Ground Screenings not exceeding Mill Run (5491)	17.38	15.00	4.86	3.50	7.09	9.00	As Certified
PILLSBURY FLOUR MILLS CO., Minneapolis, Minn. Pillsbury Hard Wheat Standard B Middlings with Ground Wheat Screenings (6027; 6246; 6289)	19.65	15.00	5.47	4.00	7.65	9.50	As Certified
RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Alta Hard Wheat Middlings (5507)	19.44	15.00	5.66	4.50	7.07	8.50	Wheat standard middlings.
Average	18.61	-----	5.07	-----	7.42	-----	



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>Wheat Flour Middlings</u>							
BLAINE, MACKAY, LEE CO., North East, Pa. Wheat Middlings with Mill Run Screenings (5644)	20.38	15.00	6.12	4.00	6.52	9.00	Wheat flour middlings.
BUCKEYE CEREAL CO., Massillon, Ohio Pure Wheat Standard Middlings (5390)	16.56	15.00	4.85	4.50	5.89	7.40	Wheat flour middlings.
CALLENSBURG ROLLER MILLS, Callensburg, Pa. Pure Wheat Middlings (597B)	14.56	15.00	3.69	3.00	4.36	12.00	Wheat flour middlings.
COMMANDER-LARABEE CORPORATION Minneapolis, Minn. Sunfed Wheat Flour Middlings with Ground Screenings not exceeding Mill Run (5380)	19.19	16.00	4.75	4.00	4.84	6.00	As Certified
S. FOUGHT & SON, Hughesville, Pa. Wheat Middlings (5B15)	15.69	16.00	4.92	4.00	4.71	6.00	Wheat flour middlings.
KING MIDAS MILL CO., Minneapolis, Minn. Snow Ball Wheat Flour Middlings and Ground Wheat Screenings (5439)	19.00	16.00	4.44	4.00	5.37	6.00	As Certified
THE LAUDENVILLE MILLING CO., Laudenville, Ohio Winter Wheat Middlings (6293)	15.3B	15.00	4.04	4.00	6.43	7.00	Wheat flour middlings and screenings.
NATIONAL MILLING BRANCH OF THE NATIONAL BISCUIT CO., Toledo, Ohio Tollie Wheat Middlings and Wheat Flour with Ground Screenings not exceeding Mill Run (62B4)	14.50	15.00	3.82	3.50	5.50	6.00	Wheat flour middlings and screenings.
PILLSBURY FLOUR MILLS CO., Minneapolis, Minn. Pillsbury's Hard Wheat A Middlings with Ground Wheat Screenings not exceeding Mill Run (6290)	19.25	16.00	4.88	4.00	4.80	6.00	Wheat flour middlings and screenings.
F. W. STOCK & SONS, Hillsdale, Mich. Stock's Middlings (5239; 62B2)	1B.75	17.50	4.57	4.00	5.56	7.00	Wheat flour middlings.
WASHEURN-CROSBY CO., Minneapolis, Minn. Gold Medal Hard Wheat Flour Middlings and Wheat Screenings (6274)	1B.19	16.00	4.71	4.00	5.26	B.00	As Certified
Average	17.52	-----	4.61	----	5.40	----	
<u>Gray Shorts</u>							
THE WHEATENA CORPORATION, HIGHSPIRE FLOUR MILLS DIVISION, Highspire, Pa. Wheat Gray Shorts Mill Run Screenings (5361; 5592)	13.60	12.00	3.23	3.00	5.80	B.00	As Certified
<u>White Shorts</u>							
BROWN MILLING CO., Loysburg, Pa. Middlings (6230)	13.06	15.00	2.55	5.00	2.50	9.00	White wheat middlings.
P. B. FURRY, Loysburg, Pa. Wheat Middlings (6245)	16.56	16.00	3.97	4.00	3.70	B.00	White wheat middlings.
C. C. REPLOGLE, Woodbury, Pa. Winter Wheat Middlings (6225)	16.19	15.00	3.84	3.50	4.19	11.00	White wheat middlings.
SNYDER MILLING CO., Timblin, Pa. Pine Run Mills Pure Wheat Middlings (5726)	15.75	15.00	4.05	4.00	4.14	12.00	White wheat middlings.
WASHINGTON MILLING CO., Washington, Pa. Pure Wheat Middlings (5509)	15.56	15.00	4.22	4.00	3.20	6.00	White wheat middlings.
Average	15.42	-----	3.73	----	3.55	----	
<u>Red Dog Wheat Flour</u>							
BLAINE, MACKAY, LEE CO., North East, Pa. Red Dog Wheat Flour (5427)	1B.94	15.00	4.41	3.00	3.79	4.00	As Certified
<u>OAT BY-PRODUCT</u>							
<u>Oat Feed</u>							
THE QUAKER OATS CO., Chicago, Ill. Vim Oat Mill Feed (5432; 5699)	5.97	5.00	1.71	1.50	29.99	30.00	Oat mill feed (oat hulls, oat shorts, oat middlings)
<u>Oat Feed--Sweetened</u>							
THE QUAKER OATS CO., Chicago, Ill. Sugared Vim Oat Mill Feed (6213)	7.50	5.00	2.76	1.25	23.67	27.50	85% oat mill feed (oat hulls, oat shorts, oat middlings) and 15% molasses.
<u>ALFALFA MEAL</u>							
PECOS VALLEY ALFALFA MILL CO., Hagerman, N. Mex. Peevee Alfalfa Leaf Meal (5793)	23.13	20.00	2.54	2.50	14.95	1B.00	As Certified
SCHOENECK FARMS, INC., Nazareth, Pa. Keystone Dehydrated Alfalfa Meal (5861)	17.06	17.00	3.30	2.00	25.93	25.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Keystone Dehydrated Alfalfa Meal (5249)	17.19	17.00	2.73	2.00	26.83	25.00	As Certified
Average	19.13	-----	2.86	----	22.57	-----	
<u>DRIED BEET PULP</u>							
LARROWE MILLING CO., Detroit, Mich. Dried Beet Pulp (5504)	10.25	7.00	0.51	0.30	21.57	22.50	As Certified
<u>MIXED FEEDS--PROPRIETARY AND MISCELLANEOUS</u>							
<u>Proprietary Dairy Feed</u>							
ALLIED MILLS INC., Chicago, Ill.							
Amco 20% Dairy Ration (5719; 5742; 6093)	24.92	20.00	5.22	4.00	8.79	9.00	As Certified
Amco 24% Dairy Ration (5744)	26.19	24.00	4.98	4.00	8.75	9.00	As Certified
Amco 24% Universal Dairy Ration (5716)	26.63	24.00	5.21	4.00	8.08	9.00	As Certified
Amco 32% Supplement Dairy Ration (5254; 5539; 5372; 5720; 5806)	34.57	32.00	4.82	4.00	6.70	9.00	As Certified
Empire 16% Dairy Ration (5355; 5597; 5632; 6150; 6300)	19.16	16.50	4.42	3.00	9.06	12.00	As Certified
Empire 20% Dairy Ration (5356; 5378; 5633; 6153; 6297; 6516)	22.23	20.00	4.05	3.00	10.16	12.00	As Certified
Empire 24% Dairy Ration (5631; 6151; 6515)	26.90	24.00	5.08	3.00	9.18	12.00	As Certified
Ideal 16% Dairy Ration (5341)	21.13	16.00	4.31	3.00	9.25	12.00	As Certified
Ideal 20% Dairy Ration (5342; 5745; 5893)	23.81	20.00	5.27	3.00	9.76	12.00	As Certified
Ideal 24% Dairy Ration (5358)	25.75	24.00	3.94	3.00	7.82	12.00	As Certified
Sucrene 16% Dairy Ration (5718; 5746)	20.57	16.50	5.06	3.00	10.64	12.00	As Certified
Topper 16% Dairy Feed (6515)	18.75	16.00	3.23	3.00	12.52	12.00	As Certified
Wayne 20% Dairy Feed (5359; 5626; 5895; 6298)	23.70	20.00	4.61	4.00	8.51	9.00	As Certified
Wayne 24% Dairy Feed (5357; 5488; 5894)	27.00	24.00	4.91	4.00	8.49	9.00	As Certified
Wayne 32% Farm Mix Dairy Feed (5373; 5485; 5628; 5892; 6299; 6514)	34.26	32.00	4.83	4.00	7.27	9.00	As Certified
Wayne H1-Protein Beef Maker (5369)	41.56	39.00	6.40	4.50	6.88	7.00	As Certified
R. S. ALTMAN, Irwin, Pa.							
Altman's Best 16% Dairy Feed (5331)	18.94	16.00	3.19	3.00	10.33	12.00	As Certified
Altman's Open Formula 20% Dairy Feed (5289)	22.00	20.00	2.65	4.00	9.95	10.00	As Certified
Altman's Open Formula 20% Dairy Feed (5330)	24.88	20.00	2.56	4.00	9.51	12.00	Found in addition brewers dried grains
Altman's Open Formula 20% Dairy Feed (5497)	23.63	20.00	2.51	4.00	10.12	12.00	As Certified
Altman's Open Formula 20% Dairy Feed (5518)	22.94	20.00	2.50	4.00	9.97	10.00	As Certified
Altman's Open Formula 20% Dairy Feed (5948)	24.69	20.00	2.70	4.00	10.52	12.00	Found in addition brewers dried grains
Altman's Open Formula 20% Dairy Feed (6307)	22.25	20.00	4.49	4.00	11.21	12.00	Found in addition brewers dried grains and small amount of ground screenings.
Altman's 24% Dairy Ration (5290)	27.50	24.00	2.54	4.00	8.52	12.00	As Certified
Altman's 24% Dairy Ration (5335)	26.56	24.00	2.57	4.00	8.17	12.00	As Certified
Altman's 24% Dairy Ration (5494)	26.56	24.00	2.55	4.00	8.07	12.00	Found in addition brewers dried grains
Altman's 24% Dairy Ration (5519)	26.38	24.00	2.83	4.00	8.24	12.00	Found in addition brewers dried grains
Altman's 24% Dairy Ration (5949)	26.69	24.00	2.50	4.00	10.03	12.00	Found in addition brewers dried grains
Altman's 24% Dairy Ration (6005)	25.63	24.00	4.04	4.00	10.16	12.00	Found in addition brewers dried grains
Altman's 24% Dairy Ration (6308)	26.00	24.00	3.27	4.00	9.68	12.00	Found in addition brewers dried grains
Altman's 32% Dairy Feed (5332)	35.44	32.00	2.71	4.00	6.04	10.00	As Certified
Altman's 32% Dairy Feed (6006)	36.69	32.00	2.93	4.00	7.43	10.00	Found in addition malt sprouts.
ARCADY FARMS MILLING CO., Chicago, Ill. Peerless Milk Ration (6402)	20.81	20.00	3.18	3.00	10.45	12.00	As Certified
A. J. BALSHI, Catawissa, Pa.							
Milk-Well 20% Dairy (6347)	23.13	20.00	4.67	3.50	8.61	12.00	As Certified
Milk-Well 24% Dairy (6348)	26.56	24.00	4.62	3.50	8.21	12.00	As Certified
Milk-Well 32% Dairy (6346)	35.25	32.00	5.06	3.50	8.68	12.00	As Certified
R. A. BATES & SON, Knoxville, Pa.							
20 Oak Leaf Dairy Ration (5308)	22.69	20.00	4.75	5.00	9.40	9.00	As Certified
24 Oak Leaf Dairy Ration (5307)	24.38	24.00	4.58	5.00	9.34	9.00	Found in addition linseed oil meal.
THE BEACON MILLING CO., INC., Cayuga, N. Y.							
Beacon Dairy Ration (6410)	26.19	24.00	5.52	4.50	8.11	9.00	Found in addition brewers dried grains
Beacon "20" (6411)	21.69	20.00	4.64	4.50	8.24	9.00	Found in addition brewers dried grains
Beacon Sweet "20" (6084)	20.81	20.00	4.47	4.00	8.34	9.00	As Certified
C. R. BERGER, Trout Run, Pa.							
Berger's Milk Producer (5579)	23.31	24.00	3.92	4.00	6.86	9.00	As Certified
ELAINE, MACKAY, LEE CO., North East, Pa.							
Our Dairy Ration (6026)	23.13	24.00	4.40	5.20	8.29	8.40	Found in addition ground barley and small amount ground screenings.
BLANK & GOTTSHALL CO., INC., Sunbury, Pa.							
B. & G. Sweetened Dairy Ration 20% (6353)	24.44	20.00	4.64	5.00	9.44	10.00	As Certified
B. & G. 24% Protein Dairy Ration (6352)	27.06	24.00	4.86	5.00	7.01	9.00	As Certified
B. & G. 24% Protein Dairy Ration (5805)	25.69	24.00	4.49	5.00	8.18	9.00	As Certified
Banner 20% Dairy Ration (6359)	22.88	20.00	4.12	4.00	9.86	10.00	As Certified
Sunbury 16% Protein Dairy Ration (6358)	16.00	16.00	3.97	4.00	10.09	11.00	As Certified
Sunbury 32% Farm Mix Ration (6356)	32.00	32.00	4.57	4.50	6.82	10.00	As Certified
BOWMAN MILLING CO., East Rickory, Pa.							
Old Rickory Dairy Ration (5999)	22.13	20.00	4.44	4.44	7.20	8.50	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
BROWN & FASSETT, Tunkhannock, Pa. S & F Milk Ration (6186) S & F Dairy Ration (6185)	18.13 22.31	18.00 23.00	3.54 4.01	3.50 4.00	10.88 7.18	11.00 9.00	As Certified As Certified
JOHN S. BROWN'S SON, New Castle, Pa. Economy Dairy Feed (5551)	26.75	24.00	4.00	4.00	9.18	12.00	Found in addition brewers dried grains.
Our Quality 24% Dairy Ration (5550) Our Quality 32% Dairy Ration (5545)	25.31 30.88	24.00 32.00	4.10 4.16	4.00 4.00	8.49 8.40	12.00 12.00	As Certified As Certified
THE SUCKEYE CEREAL CO., Maessillon, O. Bar X 20% Dairy Feed (5392) Malto 32% Dairy Feed (5391)	22.81 31.31	20.00 32.00	2.81 5.28	3.00 4.00	10.14 7.24	12.00 9.00	As Certified As Certified
CANNONSBURG MILLING CO., Cannonsburg, Pa. C. M. C. 20% Dairy (5476) C. M. C. 24% Dairy (5477)	24.44 27.13	20.00 24.00	4.96 4.56	4.00 4.00	6.94 6.44	9.00 8.00	As Certified Found in addition soy bean meal.
CITY FLOURING MILLS INC., Muncy, Pa. Muncy 20% Dairy (5575) Muncy 24% Dairy (5576) Muncy 32% Dairy (5574)	19.69 25.25 32.31	20.00 24.00 32.00	3.59 4.11 4.40	4.00 4.00 4.00	7.55 7.85 8.38	11.00 11.00 11.00	As Certified As Certified As Certified
COLLEGEVILLE MILLS, Collegeville, Pa. Perkiomen Dairy Feed (5871)	22.63	21.00	4.11	4.00	10.31	10.00	As Certified
COMMUNITY FLOUR MILLS, Serwick, Pa. Supreme Dairy Ration (5267)	24.56	22.00	4.86	4.44	8.17	9.40	As Certified
G. E. CONKEY CO., Cleveland, Ohio Conkey's Gecco 20% Dairy Feed (5753)	23.19	20.00	3.50	3.50	8.99	9.00	As Certified
COOPERATIVE G.L.F. MILLS INC., Buffalo, N. Y. Exchange Dairy (5227; 5297) Legume Dairy (5229; 5411) Legume Dairy (6444)	21.97 21.53 21.38	20.00 18.00 18.00	5.00 4.81 4.10	4.00 4.00 4.00	6.67 7.25 7.16	8.50 8.50 8.50	As Certified As Certified Found in addition brewers dried grains.
Milk Maker (5226; 5300; 5410; 6036) Summer Dairy (6257) Super Exchange Dairy (5231) Super Exchange Dairy (5456)	26.75 24.81 21.31 21.81	24.00 20.00 20.00 20.00	4.75 5.62 5.09 5.48	4.00 4.00 5.00 5.00	6.84 10.12 7.01 7.28	8.50 12.00 9.00 9.00	As Certified As Certified As Certified Found in addition brewers dried grains.
Super Milk Maker (5228; 6034) 18% Dairy (5296; 6035) 30% Supplemental (5230; 5301)	26.25 21.72 32.57	24.00 18.00 30.00	4.92 3.19 5.25	4.50 3.00 4.00	6.65 10.28 6.58	8.00 12.00 8.50	As Certified As Certified As Certified
DAYTON MILLING CO., Towanda, Pa. Dayton's 20% Dairy Ration (5317)	21.69	20.00	3.80	4.00	8.32	11.00	As Certified
DEAN & LEE, Horseheads, N. Y. Ideal Pasture Feed (6265) Perfection Dairy Ration (5306) Pioneer Dairy Ration (5305) Special 18% Dairy Ration (5302)	21.44 20.13 26.75 19.63	18.00 20.00 24.00 18.00	3.80 4.47 4.87 4.27	4.00 4.50 5.00 4.00	9.02 9.55 8.72 9.65	9.00 9.00 9.00 14.00	As Certified As Certified As Certified Found in addition brewers dried grains.
Special 24% Dairy Ration (5303)	25.31	24.00	4.65	3.00	9.57	12.00	As Certified
DELAWARE MILLS INC., Deposit, N. Y. Delaware Special Dairy Feed (5968)	22.13	20.00	4.19	4.50	9.64	10.00	Found in addition ground barley and clipped oat by- products.
Delaware Sweet 24% Dairy Feed (5967) Indian Sweet 20% Dairy Feed (5965)	24.19 21.44	24.00 20.00	4.26 3.30	4.50 4.00	7.82 12.57	9.00 12.00	As Certified Found in addition brewers dried grains.
DIETRICH & GAMBRILL INC., Frederick, Md. D & G Dairy Feed (5584) Gambrill's High Protein Dairy Feed (5583) Pen Mar Dairy Feed (5585)	20.00 32.31 22.44	20.00 32.00 20.00	3.28 5.32 4.73	4.00 5.00 4.00	13.24 8.60 9.69	12.00 9.00 9.00	As Certified As Certified As Certified
R. J. DUNHAM, Wellsboro, Pa. Tyoga Brand Dairy Ration (6155)	24.13	24.00	4.98	5.00	7.49	9.00	As Certified
H. E. DYE, Turbotville, Pa. Profit Maker 20% Dairy (5999)	22.13	20.00	4.57	4.00	8.83	10.00	Found in addition brewers dried grains
EASTERN STATES FARMERS EXCHANGE Springfield, Mass. Flushing Mash (6247) Fulball Open Formula Dairy Ration (6250) 32% Supplement Feed (6251)	20.88 21.75 34.63	18.50 20.00 32.00	4.59 4.84 5.34	3.50 4.50 4.50	4.65 7.70 6.79	4.50 8.50 8.00	As Certified As Certified As Certified
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Conestoga 20 Dairy Feed (6063) Lancaster 20 Dairy Feed (5444) Maintenance 16% Dairy Feed (5502) Maintenance 24% Dairy Feed (5426) Pennys 16% Dairy Feed (5565) Red Rose 24% Dairy Feed (5326; 6361) 32% Mixing Ration (6362)	22.06 22.19 18.44 24.13 19.19 26.04 31.13	20.00 20.00 16.00 24.00 16.00 24.00 32.00	4.54 4.09 3.97 4.46 4.40 4.61 5.11	4.00 4.00 3.00 4.00 3.00 4.00 4.50	10.35 9.79 14.45 11.12 11.63 8.77 10.03	11.00 11.00 11.00 11.00 11.00 11.00 9.00	As Certified As Certified As Certified As Certified As Certified As Certified As Certified
STANLEY G. PICKES, Newport, Pa. Pickee None Better 32% Dairy Ration (6476)	35.13	32.00	4.44	4.00	6.98	8.50	As Certified
FLORY MILLING CO., INC., Bangor, Pa. National Dairy Feed (5878)	21.06	16.00	4.34	3.50	12.17	12.00	Found in addition malt sprouts.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
P. S. FURRY, Leysburg, Pa.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Furry's Best Pulp Dairy Feed (6234)	23.44	20.00	3.87	4.00	7.43	12.00	As Certified
Furry's 16 Per Cent Dairy Feed (6236)	18.56	16.00	3.71	3.50	10.33	12.00	As Certified
Furry's 20 Per Cent Economy Dairy Feed (6235)	21.69	20.00	3.93	4.00	10.46	12.00	As Certified
Furry's 24 Per Cent Quality Dairy Feed (6344)	25.94	24.00	4.33	4.50	8.15	12.00	As Certified
H. L. CARRISON & BROTHER, Berwick, Pa.							
Extra Quality Dairy Feed (5270)	18.19	18.50	4.22	4.50	7.66	8.00	As Certified
GOLDEN GRAIN MILLS INC., Harrisburg, Pa.							
Capitol Dairy Feed 16% (6503)	15.25	16.00	4.38	3.75	13.50	12.00	Found in addition brewers dried grains and oyster shells.
Capitol Dairy Feed 20% (6506)	18.44	20.00	4.75	3.50	11.97	12.00	Found in addition oyster shells and brewers dried grains.
Colden Grain Dairy Feed 24% (6179)	25.88	24.00	5.79	4.50	9.29	10.00	Found in addition brewers dried grains.
Golden Grain Dairy Feed 24% (6504)	24.63	24.00	5.56	4.50	12.68	10.00	Found in addition oyster shells and brewers dried grains.
Colden Grain Dairy Feed 32% (5601)	31.25	32.00	6.17	4.00	7.62	9.00	Found in addition brewers dried grains.
Golden Grain Dairy Feed 32% (6502)	27.69	32.00	5.75	4.00	8.07	9.00	Found in addition brewers dried grains.
Golden Grain Supplement Mash 26% (6178)	26.69	26.00	4.73	5.00	7.76	7.00	As Certified
D. H. GRANDIN MILLING CO., Jamestown, N. Y.							
M-S (Money Saver) 20% Sweetened Dairy Feed (6062)	22.31	20.00	4.29	3.50	10.87	12.00	As Certified
THE GREAT ATLANTIC & PACIFIC TEA CO., New York, N. Y.							
Daily Milk Dairy Feed 16% (5918)	16.56	16.00	3.22	3.50	12.51	12.00	As Certified
Milky Way Dairy Feed 20% (5919)	21.94	20.00	2.87	3.50	9.59	9.00	As Certified
Milky Way Dairy Feed 20% (6031)	22.25	20.00	2.84	3.50	9.10	9.00	As Certified
Milky Way Dairy Feed 24% (5920)	25.44	24.00	2.96	3.50	9.38	9.00	As Certified
HARPER GRAIN CO., Pittsburgh, Pa.							
Harper's Select 16% Dairy Ration (5501)	19.13	16.00	5.13	3.00	13.77	12.00	As Certified
HONESDALE FLOUR & FEED CO., Ronesdale, Pa.							
18% Dairy Ration (Sweetened) (6052)	19.44	18.00	3.67	3.50	8.90	9.00	As Certified
Tru-Mix 20% Dairy Ration (Sweetened) (6050)	22.38	20.00	4.41	4.50	8.29	9.00	As Certified
Tru-Mix 24% Dairy Ration (Sweetened) (6051)	24.88	24.00	4.54	4.50	8.37	9.00	As Certified
I. B. HLIMBACH & SON East Greenville, Pa.							
Plain Sack Dairy Feed (5904)	26.13	24.00	4.39	4.00	10.75	10.00	As Certified
18% Special Dairy (5905)	21.50	18.00	5.44	3.50	9.99	11.00	As Certified
HUESARD MILLING CO., Ambridge, Pa.							
Sunshine 20% Dairy (5232)	23.13	20.00	4.14	5.00	8.44	8.50	As Certified
Sunshine Dairy Concentrate (5283)	36.63	35.00	3.28	4.00	6.00	7.00	As Certified
HYDETOWN MILLING CO., Hydetown, Pa.							
Our Quality Dairy Feed 20% (5771)	24.38	20.00	4.32	3.00	8.76	9.00	Found in addition brewers dried grains. Minerals identified as salt and charcoal.
Our Quality Dairy Feed 24% (5767)	26.13	24.00	4.42	3.00	8.21	9.00	As Certified
J. W. JOHNSON & SON, Albion, Pa.							
Economy Dairy Feed (6103)	24.00	22.00	5.42	4.00	6.70	8.00	As Certified
KASCO MILLS INC., Waverly, N. Y.							
Apex 20% Dairy Ration (5756)	21.06	20.00	3.69	3.50	10.91	12.00	As Certified
Kasco Sweet 16% Dairy Feed (5757)	17.81	16.00	3.52	3.50	9.97	12.00	As Certified
Kasco 20% Milk Maker (5755)	22.88	20.00	3.59	4.00	10.06	11.00	As Certified
Oc-Sak 24% Dairy Feed (5754; 5973)	24.22	24.00	4.15	4.00	11.24	12.00	As Certified
F. B. KERN, Catawissa, Pa.							
Blue Ribbon 20% Dairy Feed (6341)	22.50	20.00	4.27	3.00	9.33	11.00	Found in addition small amount unground weed seeds.
Kernie's 24% Dairy Feed (6344)	25.69	24.00	5.23	3.50	8.01	11.00	As Certified
Kernie's 32% Dairy Supplement (6345)	35.25	32.00	4.75	3.50	7.05	10.00	As Certified
H. B. KRATZ & SON, Schwenksville, Pa.							
Ideal Dairy Ration (5865)	23.56	20.50	3.99	3.50	10.09	11.00	As Certified
THE LARROWE MILLING CO., Detroit, Mich.							
Larro The Ready Ration for Dairy Cows (5506)	22.69	20.00	3.69	3.75	9.78	12.00	As Certified
Larro The Ready Retion for Dairy Cows (6161)	21.25	20.00	4.32	3.75	10.06	12.00	Found in addition small amount ground grain screenings.
Larrowe's 16% Dairy Feed (5733; 6162)	18.16	16.00	3.52	3.00	10.95	11.00	As Certified
Larrowe's 32% Dairy Feed (5503)	34.63	32.00	5.03	4.00	10.08	10.50	As Certified
LYCOMING MILLS, Williamsport, Pa.							
Dairy Feed (5577)	23.50	24.00	5.93	4.50	6.03	9.50	As Certified
McMILLEN FEED MILLS INC., Fort Wayne, Ind.							
Big C 16% Dairy Feed (5907)	20.00	16.00	3.05	3.50	11.02	15.00	Found in addition malt sprouts.
Master Mixing Feed with 30% Molasses (5440; 5786; 5600; 6457)	28.05	24.00	3.33	3.50	7.18	8.00	As Certified
Master Mix 32% Dairy Concentrate with Molasses (5385; 6431)	35.16	32.00	4.69	4.00	6.62	9.00	As Certified



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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
W. B. MANECK & CO., Mifflin, Pa. Juniata Dairy Feed (6018)	19.88	19.05	4.18	4.03	8.56	8.50	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y. B-B Farmers Mixing Feed (5596)	33.81	32.00	4.59	5.00	7.35	10.00	As Certified
B-8 F1-Test Dairy Feed Sweetened 20% (6075)	22.75	20.00	3.97	4.00	9.43	12.00	As Certified
B-B Marmico Dairy Feed with Molasses 16% (6074)	17.25	16.00	3.90	4.00	10.39	12.00	As Certified
MATTHEWS SUPPLY CO., Clarks Summit, Pa. Matthews Best Cow Feed (6413)	23.38	19.50	4.88	4.50	7.30	8.00	Found in addition wheat bran.
MEAD & BANNISTER, North East, Pa. M & B Dairy (5417)	21.63	20.00	3.78	4.00	8.11	9.00	Found in addition ground barley, ground buckwheat and brewers grains.
M & B Dairy (611B)	22.88	20.00	5.11	4.00	7.94	9.00	Found in addition brewers dried grains.
R. C. MEEK ESTATE, Allenwood, Pa. M. C. O. 20% Dairy Feed (6008)	20.25	20.00	3.75	4.50	10.22	12.00	As Certified
M. C. O. 24% Dairy Feed (6009)	23.00	24.00	4.16	4.00	10.07	12.00	As Certified
THE MIFFLINBURG FARMERS EXCHANGE Mifflinburg, Pa. Farmers' Dairy Cow Milk Producer (5591)	20.56	20.00	4.40	3.50	8.83	9.00	As Certified
Farmers' Own Dairy Mix (5588)	30.06	25.00	4.51	3.50	8.61	9.00	As Certified
Farmers' Sugared Dairy Ration (5587)	16.31	15.00	3.52	3.30	12.60	12.00	As Certified
GEO. Q. MOON & CO., INC., Binghamton, N. Y. Moon's 20% Dairy Feed with Molasses (6417)	20.44	20.00	3.84	4.50	12.97	11.00	As Certified
Moon's 24% Dairy Ration (6180)	26.00	24.00	4.68	5.00	7.95	10.00	As Certified
Special A 20% Dairy Ration (6415)	25.44	20.00	4.98	4.00	6.98	10.00	As Certified
U. S. 20% Dairy Ration (6181)	21.75	20.00	3.87	3.00	11.17	12.00	Found in addition brewers dried grains.
U. S. 24% Dairy Ration (6182)	24.25	24.00	5.79	3.00	10.15	12.00	Found in addition brewers dried grains. Malt sprouts not detected.
MOSES BROTHERS CO., INC., Eaton, N. Y. 3MMM Dairy Ration (6061)	23.38	24.00	4.75	5.00	8.07	10.00	As Certified
MOYER & SON, Souderton, Pa. Moyer & Son Dairy Feed (5705)	22.81	20.00	4.15	4.00	11.46	12.00	As Certified
P. J. OESTERLING & SON, Butler, Pa. Cash and Carry 24% Dairy Ration (5321; 5607)	26.10	24.00	3.35	3.50	10.47	12.00	As Certified
No. 7 Special Dairy Ration (5323; 5610)	23.63	20.00	3.46	3.50	8.84	11.00	As Certified
Our Special Dairy Feed (5322; 5606)	23.54	20.00	3.53	3.00	10.88	12.00	As Certified
Penn State Farmers Dairy Ration Big 5 (5324; 5612)	25.69	24.00	3.78	4.00	9.45	10.00	As Certified
Super 34% Dairy Ration (5625)	37.19	34.00	4.68	4.00	7.78	10.00	As Certified
JOSEPH OTTO, North East, Pa. Cow Feed (5414)	27.00	19.00	4.04	5.00	9.95	10.00	Found in addition brewers dried grains.
PAOLI COAL & SUPPLY CO., West Chester, Pa. Cream-Rite Paoli Dairy Ration 16% (5679)	19.75	16.00	4.39	3.00	10.24	11.00	Found in addition ground barley.
Cream-Rite Paoli Dairy Ration 18% (5672)	21.69	18.00	4.11	4.50	8.84	9.00	As Certified
Cream-Rite Paoli Dairy Ration 20% (5674)	23.94	20.00	4.29	4.00	8.26	9.00	As Certified
Cream-Rite Paoli Dairy Ration 24% (5677)	27.85	24.00	4.81	4.50	8.42	8.00	As Certified
Cream-Rite Paoli Dairy Ration 32% (5675)	35.81	32.00	5.33	4.50	7.34	8.00	As Certified
Paoli 24% Dairy Feed (5676)	27.81	24.00	5.28	4.50	9.81	12.00	As Certified
PARK & POLLARD CO., Buffalo, N. Y. Pidwell 24% Dairy Ration (5939)	25.81	24.00	3.85	3.50	10.06	11.00	As Certified
Bulky-Sweet Dairy Feed (5940)	13.13	11.00	2.98	3.00	11.86	12.00	As Certified
Bulky-Sweet Dairy Feed (6098)	12.81	11.00	3.07	3.00	11.11	12.00	Found in addition ground grain screen- ings.
Doublex 20% Dairy Ration (5911)	21.50	20.00	3.89	3.50	11.98	11.00	Found in addition brewers grains.
Manamar 20% Dairy Ration (5938)	21.75	20.00	4.83	4.00	8.77	9.00	As Certified
Manamar Dairy Mixing Ration (5941)	26.31	26.00	4.05	4.00	9.35	9.00	Found in addition small amount ground screenings.
Manamar Top Notch 16% Dairy Ration (5384)	17.50	16.00	4.70	3.50	11.08	11.00	As Certified
Top Notch 16% Dairy Ration (5912)	18.44	16.00	3.78	3.50	12.88	11.00	As Certified
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, Harrisburg, Pa. 16% Dairy (6423)	21.13	16.00	3.70	3.50	12.70	12.00	As Certified
Milk Maker 20% (5881)	22.69	20.00	5.02	4.00	9.23	8.50	As Certified
Milk Maker 24% (5884; 6422)	26.35	24.00	5.15	4.00	8.32	8.50	As Certified
Milk Maker 32% (5882)	36.75	32.00	5.87	4.00	8.49	8.50	As Certified
Milk Maker 32% (6421)	34.41	32.00	4.97	4.00	8.43	8.50	Found in addition brewers dried grains.
WELPS & SIBLEY CO., Cuba, N. Y. "P.S." Dairy Ration (6416)	22.44	20.00	4.55	4.00	8.71	10.00	As Certified
ToFor Dairy Ration (6331)	26.25	24.00	5.56	4.00	7.71	10.00	As Certified
PINE GROVE FLOUR & FEED MILL Russell, Pa. Corewango Dairy Feed (5698)	22.50	20.00	5.08	4.00	11.87	10.00	As Certified
Pine Grove Dairy Feed (5697)	23.56	22.00	4.67	5.00	11.58	10.00	As Certified
PRESTON & JAQUISH, Troy, Pa. Sweepstake Milk Maker (5467)	23.56	22.00	4.72	5.00	8.35	9.50	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
PRESTONS INC., Canton, Pa. Preston's 16% Dairy (6165)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	Found in addition brewers dried grains, malt sprouts and oat meal mill by-products. Found in addition oat meal mill by- products.
	21.88	16.00	3.89	3.50	10.23	12.00	
Preston's Special Dairy (6166)	20.31	18.50	3.83	4.50	8.96	10.00	
THE QUAKER OATS CO., Chicago, Ill. Quaker Sugared Schumacher Feed (5962; 6442)	11.88	10.00	3.68	3.00	10.85	12.00	As Certified
Quaker 20% Dairy Ration (6440)	21.38	20.00	3.76	3.00	11.82	12.00	As Certified
Quaker 24% Dairy Ration (6441)	24.19	24.00	4.16	3.50	11.75	12.00	As Certified
RALSTON PURINA CO., St. Louis, Mo. Protana 16% Dairy Feed (6273)	17.31	16.00	3.77	3.50	11.87	14.00	As Certified
Protana 20% Dairy Feed (6070; 6146)	20.60	20.00	4.60	3.50	11.11	12.00	As Certified
Protana 24% Dairy Feed (6147)	26.56	24.00	4.05	3.50	8.01	12.00	As Certified
Purina Sulky Las Chow (5933; 6064)	12.91	9.00	2.76	1.30	11.62	15.00	As Certified
Purina Dry and Freshening Cow Chow (5964)	15.81	12.50	3.07	2.50	13.15	14.00	Found in addition barley.
Purina Heifer Growing Chow (5448)	17.88	14.00	3.54	2.50	9.15	14.00	As Certified
Purina Milking Cow Chow 20% (5434; 5931; 6145)	22.31	20.00	4.74	4.00	10.32	12.00	As Certified
Purina Milking Cow Chow 24% (5446; 5932; 6069; 6144; 6212)	26.69	24.00	5.12	4.00	10.25	12.00	As Certified
C. C. REPLOGLE, Woodbury, Pa. Replogle's 24% Golden Seal Dairy Feed (6227)	23.88	24.00	4.18	5.00	5.09	7.00	As Certified
REX GRAIN & MILLING CO., INC., Buffalo, N. Y. Rex Gem Dairy Ration 18% (5807)	18.19	18.00	4.13	4.00	9.67	10.00	As Certified
Rex Gem Dairy Ration 20% (5559)	19.81	20.00	4.46	4.00	8.35	10.00	As Certified
Rex Gem Dairy Ration 24% (5560; 5808)	24.16	24.00	4.77	4.00	8.16	10.00	As Certified
RICHARDS MILLING CO., Cortland, Ohio Richard's Beet Pulp Dairy Feed 20% (5741)	26.19	20.00	3.78	4.50	8.79	10.00	As Certified
Richard's Cash Dairy Feed (5739)	22.63	24.00	4.63	4.50	10.88	10.00	As Certified
Richard's Cash Dairy Feed (5327)	27.56	24.00	4.73	4.50	9.97	10.00	Cocconut oil meal not detected.
ROBINSON & GAREY, Montrose, Pa. Milk Ration (6136)	23.44	20.00	3.58	3.50	7.42	8.00	Found in addition brewers grains and malt sprouts.
H. ROCKWELL & SON, Canton, Pa. Bradford Dairy Ration (6269)	22.19	19.00	5.12	4.25	7.02	9.00	As Certified
Canton 16% Dairy Ration (6267)	18.06	16.00	5.18	4.00	8.32	12.00	As Certified
Rockwell's High Protein Dairy Ration (6266)	25.06	23.00	5.22	4.50	8.89	9.00	As Certified
ROUX FEED MILLS, Sharon, Pa. Roux 16% Dairy Feed (6324)	18.88	16.00	5.55	3.50	11.01	12.00	Found in addition brewers dried grains and yeast grains.
Roux 16% Dairy Feed (5536)	16.63	16.00	4.35	3.50	14.50	12.00	Found in addition brewers dried grains and processed wheat bran. Beet pulp not detected.
Roux 20% Dairy Feed (5534)	21.56	20.00	4.30	4.00	11.57	12.00	Found in addition brewers dried grains. Beet pulp not detected.
Roux 20% Dairy Feed (6323)	23.63	20.00	5.12	4.00	11.31	12.00	Found in addition brewers dried grains, oyster shell, and yeast grains.
Roux 24% Dairy Feed (5533)	25.56	24.00	4.77	4.00	12.07	12.00	Found in addition processed wheat bran, brewers dried grains and charcoal. Beet pulp not detected.
Roux 24% Dairy Feed (6322)	26.94	24.00	5.64	4.00	11.95	12.00	Found in addition ground buckwheat.
Roux 32% Dairy Feed (5535)	34.63	32.00	4.52	5.00	7.49	9.00	As Certified
Roux 32% Dairy Feed (6321)	33.63	32.00	6.20	5.00	8.67	9.00	Found in addition brewers dried grains.
I. S. SECRIST, Millerstown, Pa. S. & S. 20% Dairy Feed (6016)	22.50	20.00	4.04	4.00	7.96	8.00	As Certified
S. & S. 32% Dairy Supplement (6015)	34.94	32.00	5.45	4.50	8.84	8.00	As Certified
ESTATE OF GEO. S. SNYDER, Hatfield, Pa. Snyder's Quality Dairy Feed (5658)	21.25	20.00	4.03	3.50	9.29	8.75	As Certified
STEARNS MILL, Kingsley, Pa. Stearn's 18% Dairy Feed (6420)	21.31	18.00	4.09	4.00	9.85	11.00	Found in addition small amount ground screenings.
Stearn's 22% Dairy Feed (6419)	23.56	22.00	4.50	4.00	9.46	10.00	Found in addition brewers dried grains.
JESSE C. STEWART CO., Pittsburgh, Pa. Iron City Dairy Feed (5514)	16.25	16.00	3.75	3.00	13.46	12.00	As Certified
Red Letter Dairy Feed (5513)	22.88	20.00	3.72	4.00	9.07	12.00	As Certified
D. A. STICHELL & SONS INC., Hagerstown, Md. Stickell's Sweet 24% Milk Maker (6460)	26.00	24.00	6.32	4.00	9.36	10.00	As Certified
Zip Sweet 16% Dairy Feed (6459)	19.31	16.00	4.53	3.00	9.58	12.00	Found in addition brewers dried grains.
SNOPE BROTHERS, Johnstown, Pa. Champion 20% Dairy Feed (5243)	21.00	20.00	3.82	4.00	6.41	10.00	As Certified
Moremilk Dairy Feed (5246)	22.75	21.00	4.15	3.00	7.81	8.00	As Certified
A. M. THOMAS & SON, North Girard, Pa. Thomas Thrift Dairy Feed (5420)	22.00	20.00	4.14	4.50	7.53	9.00	Found in addition beet pulp, brewers dried grains, barley and ground buckwheat.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
E. S. THOMAS, Holsoapple, Pa. Diamond T Dairy Feed (6048)	P. ct. 24.63	P. ct. 24.00	P. ct. 4.79	P. ct. 5.00	P. ct. 8.59	P. ct. 11.00	Found in addition ground grain screen- ings.
M. S. THOMAS CO., Salladasburg, Pa. Thomas' Dairy Ration (5800)	26.94	24.00	4.75	4.40	10.74	8.00	As Certified
TIOGA MILLS INC., Waverly, N. Y. E-Gee 32% Feed (5466)	33.31	32.00	5.02	4.50	8.18	10.00	As Certified
Red Brand Tl-O-Ga Dairy Feed (5461; 5961)	26.50	24.00	5.20	4.50	8.55	10.00	As Certified
24% Creamatine (6261)	25.00	24.00	5.39	4.50	7.80	10.00	Found in addition bone.
TOLEDO GRAIN & MILLING CO., Toledo, Ohio Camp's Armado Dairy Feed (5927)	16.00	16.00	3.89	4.00	15.30	12.00	Found in addition malt sprouts and brewers dried grains.
Camp's Clover Dale Dairy Ration (5926)	22.88	20.00	4.26	4.00	11.99	9.00	Found in addition malt sprouts and brewers dried grains.
Camp's Red Ball 24% Dairy Feed (5928)	25.75	24.00	4.43	4.00	9.03	12.00	Found in addition malt sprouts.
LEONARD M. TORREY, Townville, Pa. Purity Dairy Feed (5760)	24.75	22.00	5.29	4.00	8.79	10.00	As Certified
UBIKO MILLING CO., Cincinnati, Ohio Clover Bloom Sweet 16% Feed (5652)	19.13	16.00	4.09	3.00	14.52	12.00	Found in addition small amount unground weed seeds.
Clover Bloom Sweet 16% Feed (6107)	17.00	16.00	4.04	3.00	15.06	12.00	As Certified
20% Sweet Union Grains (5651)	24.38	20.00	5.91	4.00	10.19	10.00	As Certified
24% Sweet Union Grains (5649; 6109)	28.04	24.00	5.32	4.00	9.60	10.00	As Certified
32% Sweet Union Grains (5650)	32.75	32.00	3.87	4.00	8.11	10.00	As Certified
THE URBANA MILLS CO., Urbana, Ohio Purity 24% Dairy Ration (5399)	25.75	24.00	4.10	4.50	7.02	10.00	As Certified
Purity 32% Home Mix Dairy Ration (5430)	34.50	32.00	4.18	4.00	6.34	9.00	As Certified
Purity 32% Mash Supplement (6434)	32.88	32.00	5.78	5.00	6.24	7.00	As Certified
Urbana 16% Dairy Ration (5398; 5431)	14.78	16.00	2.90	3.00	9.96	12.00	As Certified
Urbana 20% Dairy Ration (5397; 5428)	20.57	20.00	3.51	3.50	8.59	12.00	As Certified
Urbana 24% Dairy Ration (5429; 6436)	25.91	24.00	4.08	3.50	8.13	12.00	As Certified
VANDERVORT MILLS, Laceyville, Pa. Vandervort's 16% Dairy Ration (6190)	18.94	16.00	4.66	4.50	10.30	8.00	As Certified
Vandervort's 24% Dairy Ration (6254)	25.94	24.00	4.70	4.50	7.28	7.50	Found in addition ground oats.
Vandervort's 24% Dairy Ration (6193)	24.81	24.00	5.11	4.50	8.23	7.50	As Certified
Vandervort's Open Formula 20% Dairy Ration (6187)	20.75	20.00	4.82	3.00	10.86	11.00	Found in addition small amount ground grain screenings.
Vandervort's Open Formula 24% Dairy Ration (6195)	26.06	24.00	3.77	3.00	7.54	8.50	As Certified
Vandervort's Special 20% Dairy Ration (6194; 6255)	21.76	20.00	5.43	4.50	7.36	7.00	As Certified
WADSWORTH FEED CO., Warren, Ohio Wadsworth's 16% Dairy Ration (5646)	18.81	16.00	3.32	3.00	16.51	12.00	As Certified
Wadsworth's 16% Dairy Ration (5763)	16.63	16.00	3.44	3.00	18.76	12.00	As Certified
Wadsworth's Special Dairy Ration (5645)	21.50	20.00	3.92	3.76	15.22	12.00	As Certified
Wadsworth's Special Dairy Ration (5762)	20.31	20.00	3.14	3.75	14.40	12.00	As Certified
C. Y. WAGNER & CO., INC., Bellefonte, Pa. Wagner's 32% Dairy Feed (5992)	31.06	32.00	4.72	4.00	8.43	9.00	As Certified
WALDO BROTHERS, Wysox, Pa. Walbro Dairy Ration (5315)	21.63	21.00	3.65	4.00	8.03	9.00	As Certified
WARNER'S MILL, Alliance, Ohio Warner's 16% Dairy Feed (6378)	18.00	16.00	3.40	3.00	14.57	14.00	Found in addition brewers dried grains, malt sprouts and ground corn.
WARREN CITY MILLS, Warren, Pa. Cook's Dairy Feed (5686)	21.00	19.00	3.94	4.00	6.44	8.00	As Certified
Special Dairy Feed (5683)	20.56	21.00	4.38	5.00	8.11	8.00	As Certified
WELLES MILL CO., Wyalusing, Pa. Wellco "20 Per Cent" Dairy Ration (6089)	22.75	20.00	3.31	4.00	9.77	11.00	Minerals identified as calcium carbonate and animal charcoal.
"Wellco 24" Dairy Ration (6090)	24.56	24.00	3.60	4.00	7.85	9.00	Ro-Be minerals: Found calcium car- bonate, animal char- coal.
C. P. WENGER, Ephrata, Pa. Wenger's 20% Dairy Feed (5776)	22.88	20.00	5.03	5.00	9.14	8.50	As Certified
Wenger's 25% Dairy Feed (5777)	27.38	25.00	4.52	4.50	9.79	12.00	Found in addition oyster shells(ground) and charcoal.
H. R. WENTZEL & SONS, Newport, Pa. Perry 24% Dairy Feed (5602)	25.69	24.00	6.47	4.50	8.45	10.00	As Certified
WESTERN FLOUR CO., Charleroi, Pa. Economy's 24% Dairy Feed (6291)	18.63	24.00	5.21	3.50	8.66	11.00	Found in addition wheat and brewers dried grains.
A. B. WHITE, Monroeton, Pa. White's Bradco Dairy Ration (5459)	24.50	20.00	4.10	4.50	8.02	6.00	Found in addition brewers dried grains.
Average	24.23	-----	4.36	-----	9.25	-----	

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
<u>Proprietary Stock, Horse and Mule Feed</u>	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
ALLIED MILLS INC., Chicago, Ill.							
Amco Horse Feed (5711)	10.47	9.00	3.15	3.00	8.22	10.00	As Certified
June Pasture (5387; 5721)	13.20	10.00	1.24	0.50	17.04	21.00	As Certified
Wayne Horse Feed (5375; 5627; 6154; 6517)	10.84	9.50	2.99	3.00	4.91	8.00	As Certified
ARCADY FARMS MILLING CO., Chicago, Ill.							
Arcady Horse & Mule Feed (6398)	8.47	9.00	2.06	2.00	12.25	12.00	As Certified
Seete-Oate Horse & Mule Feed (6399)	9.74	10.00	3.16	3.00	8.52	10.00	As Certified
Wonder Horse & Mule Feed (6400)	10.35	9.00	3.41	3.00	7.57	10.00	As Certified
BLANK & GOTTSCHALL CO., INC., Sunbury, Pa.							
B & O Alfalfa-Molasses Horse Feed (6360)	10.92	10.00	3.56	3.00	8.73	8.00	As Certified
COOPERATIVE G.L.F. MILLS INC., Buffalo, N. Y.							
Fitting Ration (5299; 5412; 6128)	15.38	13.00	3.86	3.00	6.20	8.00	As Certified
Horse Feed (5232; 6259)	12.66	9.00	3.60	3.50	6.35	9.00	As Certified
FLORY MILLING CO., INC., Sangor, Pa.							
Flory's Horse Feed (5875)	10.38	9.00	3.31	2.50	8.03	10.00	As Certified
D. R. GRANDIN MILLING CO., Jamestown, N. Y.							
Grandin's Stock Food (6059)	10.25	8.50	4.54	4.00	10.78	12.00	As Certified
HARPER GRAIN CO., Pittsburgh, Pa.							
Harper's Select Horse Feed (6380)	10.18	9.00	3.04	2.00	10.69	12.00	As Certified
RONESDALE FLOUR & FEED CO., Ronesdale, Pa.							
Tru-Mix Fitting Ration (6056)	14.50	15.00	4.14	4.50	7.61	8.00	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y.							
Bull Brand Horse Feed with Molasses (5603)	11.75	8.00	3.67	2.00	7.61	10.00	As Certified
NOWAK MILLING CORP., Hammond, Ind.							
Domino Horse Feed with Alfalfa (5547)	9.72	9.00	2.59	2.00	11.48	12.00	As Certified
PAOLI COAL & SUPPLY CO., West Chester, Pa.							
Paoli Heavy Grain Horse Feed (5673)	11.56	10.00	4.12	3.00	5.88	8.00	As Certified
PARK & POLLARD CO., Buffalo, N. Y.							
Yankee Horse Feed (5937)	12.88	10.00	4.08	3.50	8.32	9.00	As Certified
RALSTON PURINA CO., St. Louis, Mo.							
Purina Omeleone (6065; 6401)	12.31	10.00	3.91	3.20	8.67	9.00	As Certified
Purina Steer Fatena (5445)	17.50	12.00	4.39	2.00	7.26	10.00	As Certified
C. C. REFLOGLE, Woodbury, Pa.							
Reflogle's Golden Seal 85% Grain Horse Feed (6228)	13.13	9.00	3.71	3.00	7.95	10.00	As Certified
REX GRAIN & MILLING CO., INC., Buffalo, N. Y.							
Rex Crown Horse Feed (5810)	13.38	10.00	3.69	4.00	6.52	9.00	As Certified
H. ROCKWELL & SON, Canton, Pa.							
Rockwell's Fitting Ration (6268)	16.50	14.00	4.45	4.00	9.86	9.50	As Certified
JESSE C. STEWART CO., Pittsburgh, Pa.							
Iron City Brand Stock Feed (5512)	9.56	8.00	3.91	2.00	7.54	12.00	As Certified
TIOGA MILLS, INC., Waverly, N. Y.							
Conditiontine (5462; 5959)	17.69	15.50	4.06	4.00	5.10	5.00	As Certified
Ti-O-Ga Growing Shout Feed (5960)	19.50	15.00	4.34	4.00	8.01	8.00	Found in addition linseed oil meal. Cocanut oil meal not detected.
THE URSANA MILLS CO., Urbana, Ohio							
Purity All Grain Horse Feed (5403; 6435)	10.92	9.00	3.28	2.50	6.04	8.00	As Certified
WARNER'S MILL, Alliance, Ohio							
Warner's Blue Ribbon Quality Horse Feed (6379)	9.13	9.00	2.56	3.00	9.04	12.00	As Certified
Average	12.51	-----	3.45	-----	8.01	-----	
<u>Proprietary Calf Meal</u>							
ALBERS BROTHERS MILLING CO., San Francisco, Cal.							
Calf Manna (5318; 6134)	25.91	25.00	6.23	4.00	2.94	5.00	As Certified
ALLIED MILLS INC., Chicago, Ill.							
Amco Calf Meal (5344)	27.31	24.00	4.22	4.00	5.91	7.00	As Certified
Wayne Calf Meal (5343)	27.13	24.00	4.98	4.00	6.27	7.00	As Certified
BUCKEYE CEREAL CO., Maecillon, Ohio							
Buckeye Calf Meal (5394)	26.44	23.50	4.12	4.00	3.56	7.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y.							
Calf Meal (5237; 5455)	22.91	19.00	4.11	4.00	3.52	4.50	As Certified
Calf Starter (6258)	20.81	18.00	4.20	3.00	2.73	4.00	As Certified
MEAD & SANNISTER, North East, Pa.							
M & B Calf Meal (6117)	18.44	-----	3.77	-----	5.04	-----	Ingrediente identified: Powdered milk, corn meal, ground oats, oil meal, bran, red dog, minerals 2%, and Nopco XX concentrated cod liver oil.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
PAOLI COAL & SUPPLY CO., West Chester, Pa. Paoli Calf Start-Rite (5681)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
	24.44	-----	5.17	----	4.80	----	As Certified
ROUX FEED MILLS, Sharon, Pa. Roux Calf Meal (6325)	27.44	20.00	5.71	3.00	5.73	5.00	Found in addition oyster shell.
Average	24.51	-----	4.80	----	4.27	----	
<u>Proprietary Swine Feed</u>							
ACME MILLING CO., Olean, N. Y. Acme Golden Swine Feed (5570)	22.56	19.00	4.91	4.00	6.30	8.00	As Certified
ALLIED MILLS INC., Chicago, Ill. Amco 40% Mineralized Hog Supplement (5258)	42.00	40.00	5.66	4.50	6.61	8.00	As Certified
Amco 40% Mineralized Hog Supplement (5723)	40.06	40.00	4.79	4.50	7.18	8.00	Peanut oil meal not detected.
Wayne 40% Hog Supplement (5722)	41.19	40.00	5.21	4.50	6.82	7.00	As Certified
Wayne 40% Hog Supplement (5363)	42.31	40.00	5.52	4.50	5.78	8.00	As Certified
Wayne Pig Starter (5729)	20.13	18.00	4.35	3.50	5.18	7.00	As Certified
Wayne Pork Maker (6301)	14.94	14.00	4.51	3.50	5.94	7.00	As Certified
R. S. ALTMAN, Irwin, Pa. Altman's Hog Feed (5495; 5520; 6007; 6281; 6311)	21.25	15.00	6.23	3.00	6.32	7.00	As Certified
Altman's Hog Feed (5292)	21.06	15.00	5.17	3.00	6.59	7.00	Found in addition beet pulp.
ANDERSON GRAIN & FEED CO., INC., York, Pa. Anderson's 16 Hog Meal (5842)	20.25	16.00	5.92	4.00	7.33	10.00	As Certified
Anderson's Hog Ration (5836)	19.44	17.00	5.48	4.00	8.02	8.00	Found in addition small amount ground screenings.
Anderson Pig Meal (5841)	19.06	18.00	4.66	3.50	6.66	6.00	As Certified
R. A. BATES & SON, Knoxville, Pa. Oak Leaf Pig and Hog Grower (5309)	17.63	15.00	4.85	4.00	5.81	6.00	As Certified
ELANK & GOTTSHALL CO., INC., Sunbury, Pa. B & G Hog Feed (6357; 6403)	18.03	17.00	4.52	4.00	10.16	10.00	As Certified
JOHN S. BROWN'S SON, New Castle, Pa. Our Quality Pig Ration (5552)	18.69	16.50	4.62	4.50	5.19	5.00	As Certified
F. S. BRUBAKER & SON, Grantham, Pa. Brubaker's Hog Meal (5789)	19.94	16.00	4.55	5.00	8.48	10.00	Found in addition brewers dried grains.
CALLENSBURG ROLLER MILLS, Callensburg, Pa. Just Right Pig Meal (5980)	19.56	16.00	3.90	4.00	6.67	10.00	As Certified
COMMUNITY FLOUR MILLS, Berwick, Pa. Supreme Hog Ration (5265)	14.75	16.00	4.37	4.00	8.73	6.00	As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. Hog Feed (5457; 6129)	16.07	14.00	4.15	3.50	5.59	6.00	As Certified
Hog Feed (6033)	16.25	14.00	4.00	3.50	6.92	6.00	As Certified
W. E. CUSTER, Milton, Pa. Custer's Pig Meal (6013)	20.19	18.00	5.28	3.50	7.52	5.00	As Certified
DIETRICK & GAMBRILL, INC., Lewisburg, Pa. Gambrill's Hog Meal (5586)	20.13	18.00	4.18	4.00	6.89	8.00	As Certified
R. E. DYE, Turbotville, Pa. Profit Maker Pig Grower (6000)	20.31	17.00	4.19	4.00	6.41	7.50	As Certified
STANLEY G. FICKES, Newport, Pa. Fickes Pig Meal (6475)	20.75	19.00	4.60	4.00	6.17	7.00	As Certified
P. B. FURRY, Loysburg, Pa. Hog Feed (6239)	16.50	14.00	3.06	4.50	7.04	10.00	Found in addition charcoal and ground barley.
Pig Feed (6238)	18.69	18.00	4.14	4.50	7.09	7.00	Found in addition charcoal and ground barley.
H. L. GARRISON & BROTHER, Berwick, Pa. Extra Quality Hog Feed (5271)	16.69	15.00	4.99	4.00	4.19	7.00	As Certified
GOLDEN GRAIN MILLS INC., Harrisburg, Pa. Pig Meal 18% (6174)	22.56	18.00	4.06	4.00	8.88	9.00	Found in addition oat meal mill by- products and animal charcoal.
HARPER GRAIN CO., Pittsburgh, Pa. Select Pig and Hog Meal (6381)	18.56	17.00	5.47	3.50	6.89	7.00	As Certified
HONESDALE FLOUR & FEED CO., Honesdale, Pa. Tru-Mix Pig Feed (6053)	16.44	16.00	4.26	4.00	7.01	8.00	As Certified
HYDETOWN MILLING CO., Rydetown, Pa. Our Quality Pig Feed (5766)	19.50	17.00	4.08	2.50	5.96	7.00	Found in addition corn meal and ground oats.
KASCO MILLS, Waverly, N. Y. Kasco Pig-Hog Feed (6123)	19.81	17.00	5.03	4.50	7.57	7.50	As Certified
Kasco Pig-Hog Feed (5916)	18.38	17.00	4.28	4.50	9.30	7.50	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
F. S. KERN, Catawissa, Pa. Kernie's 16% Hog Feed (6343)	P. ct. 16.81	P. ct. 16.00	P. ct. 4.69	P. ct. 3.50	P. ct. 10.02	P. ct. 10.00	As Certified
KEYSTONE FEED & FARM PRODUCTS CORP. Connellsville, Pa. Keystone Pig and Hog Feed with Tankage (6276)	15.19	15.00	3.34	5.00	4.20	10.00	As Certified
LARHWE MILLING CO., Detroit, Mich. Larrowe Pig Feed (5505)	18.50	17.50	4.34	4.00	6.84	7.50	As Certified
W. H. MANBECK & CO., Mifflin, Pa. Juniata Hog Feed (6020)	17.31	16.50	4.65	4.00	7.09	7.20	Found in addition small amount ground screenings.
McMILLEN FEED MILLS INC., Fort Wayne, Ind. Master Mix 40% Hog Concentrate (6427)	40.88	40.00	5.39	4.00	8.06	8.00	As Certified
MARTINSBURG MILLING CO., Martinsburg, Pa. Champion Pig Meal (6489)	22.19	21.00	4.53	5.00	7.66	5.50	As Certified
MEAD & SANNISTER, North East, Pa. M & B Hog Feed (8116)	19.50	-----	4.10	-----	5.78	-----	Minerals identified: calcium carbonate, charcoal and salt.
P. J. OESTERLING & SON, INC., Butler, Pa. Penna. State Farmers Hog Ration No. 1 (5616)	17.81	16.00	4.75	4.00	5.49	9.00	As Certified
Penna. State Farmers Hog Ration No. 1 (5326)	17.69	16.00	4.79	4.00	5.91	9.00	Found in addition small amount ground grain screenings.
PAOLI COAL & SUPPLY CO., West Chester, Pa. Paoli Pig and Hog Builder (5701)	37.25	36.00	6.70	5.49	7.57	6.57	As Certified
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, Harrisburg, Pa. Pork Maker 41% (6424)	42.94	41.00	5.54	5.50	5.97	6.50	As Certified
PERRY & HENDERSON, Connelleville, Pa. Ideal Hog Feed (6285)	16.31	16.00	4.91	5.00	6.99	7.00	As Certified
PHELPS & SIELEY CO., Cuba, N. Y. Paeco Pig and Hog Feed (6060; 6135; 6418)	16.67	14.00	3.73	3.50	6.35	6.00	As Certified
RALSTON PURINA CO., St. Louis, Mo. Purina Pig and Hog Chow (5451; 6073)	36.13	36.00	4.95	3.00	9.38	14.00	As Certified
C. C. REPLOGLE, Woodbury, Pa. Heplogle's Hog Meal (6223)	20.31	18.00	3.34	3.50	6.27	6.00	Minerals identified: charcoal and calcium carbonate. Found in addition corn gluten feed and oyster shell (ground).
HOUX FEED MILLS, Sharon, Pa. Houx Pig Meal (6327)	21.38	18.00	4.59	4.50	7.48	10.00	Found in addition bone and small amount ground screenings.
JESSE C. STEWART CO., Pittsburgh, Pa. Iron City Brand Hog Feed (5985)	18.13	15.00	3.50	3.50	7.65	7.00	As Certified
E. S. THOMAS, Holeapple, Pa. Diamond T Hog Feed (6049)	18.81	18.50	4.55	5.00	8.26	7.00	As Certified
W. S. THOMPSON & SON, Waynesboro, Pa. Thompson Hog Feed (6455)	13.50	15.50	5.01	3.50	11.68	11.50	As Certified
THE URBANA MILLS CO., Urbana, Ohio Purity 18% Pig Meal (5404)	18.00	18.00	3.63	4.00	5.46	6.00	As Certified
VANDEHVOHT MILLS, Laceyville, Pa. Vandervort's Hog Ration (6196)	16.94	19.00	5.54	6.50	6.62	6.00	As Certified
C. Y. WAGNER & CO., INC., Bellefonte, Pa. Wagner's Pig Meal (5994)	21.50	18.00	5.24	4.00	7.47	8.00	Found in addition soy bean meal and small amount ground screenings.
WALDO BROTHERS, Wysox, Pa. Walbro Pig Feed (5312)	16.25	12.00	4.51	4.00	4.91	6.00	As Certified
WASHINGTON MILLING CO., Washington, Pa. Gain More Hog Feed (5500)	19.31	18.00	4.68	4.50	5.06	8.00	As Certified
C. P. WENGEL, Ephrata, Pa. Wenger's Hog Feed (5778)	18.06	16.00	3.52	4.50	6.94	7.00	As Certified
WHITE MILLING CO., Bloomsburg, Pa. Keystone Pig Meal (5263)	19.81	18.00	4.51	4.50	7.75	8.00	As Certified
WOODBURY MILLING CO., Woodbury, Pa. Eat Mor Pig and Hog Ration (6218)	14.81	16.00	3.74	4.00	5.50	7.00	As Certified
Average	21.37	-----	4.69	-----	6.94	-----	
<u>PROPRIETARY CHOP FEED</u>							
<u>Corn and Oat Chop</u>							
ACME MILLING CO., Olean, N. Y. Acme Pure Corn and Oat Feed (5636)	10.94	9.50	3.49	4.00	5.90	7.00	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
ALLIED MILLS INC., Chicago, Ill. Purs Corn and Oats Provender (5639)	P. ct. 11.56	P. ct. 9.00	P. ct. 3.60	P. ct. 3.50	P. ct. 5.98	P. ct. 10.00	As Certified
H. O. AYER, Ulster, Pa. Corn and Oats Chop (6079)	11.13	9.00	5.45	4.00	7.95	8.00	As Certified
C. R. BERGER, Tront Run, Pa. Corn and Oate Chop (5798)	10.06	9.00	3.54	4.00	6.06	7.00	As Certified
BRYAN MILLS, Hughesville, Pa. Corn and Oats Chop (5471)	9.44	10.25	3.61	3.75	3.57	3.60	As Certified
CLINTONDALE MILLING CO., INC., Clintondale, Pa. Corn and Oate Chop (6507)	10.76	10.00	4.54	4.00	3.47	6.00	As Certified
THE DUNHAM MILLS, Wellsboro, Pa. Tyoga Corn and Oate Chop (6157)	11.44	10.00	4.02	4.25	6.31	7.00	As Certified
FARMERS COOPERATIVE ASSOCIATION, INC., Wysox, Pa. Purs Corn and Oats Chop (5311)	10.81	10.00	3.72	3.95	6.83	4.74	As Certified
S. FOUGHT & SON, Hughesville, Pa. Corn and Oats Chop (5614)	9.31	9.00	4.20	3.50	6.44	8.00	As Certified
GOOD'S CITY MILLS, INC., Williamsport, Pa. Corn and Oats Chop (5661)	9.00	9.00	3.77	4.00	3.96	7.00	As Certified
HYDETOWN MILLING CO., Hydetown, Pa. Our Quality Corn and Oat Chop (5769)	11.88	10.00	4.09	3.00	7.15	13.00	As Certified
MARTINSEURO MILLING CO., Martinsburg, Pa. Corn and Oate Chop (6488)	11.38	11.00	4.03	4.00	7.79	8.28	As Certified
MEAD & BANNISTER, North East, Pa. Corn and Oate Chop (6111)	11.75	-----	4.54	-----	7.00	-----	As Certified
MILLER McOURL CO., Sharon Center, Pa. Purs Corn and Oats Chop (5558)	11.94	-----	3.62	-----	5.61	-----	As Certified
OBERT BROTHERS, Dushore, Pa. Pure Corn and Oats Chop (6091)	10.69	10.00	3.60	4.00	5.20	6.00	As Certified
P. J. OESTERLING & SON, Butler, Pa. Pure Corn and Oate Chop (5615)	10.69	9.00	3.87	3.00	4.38	10.00	As Certified
JOSEPH OTTO, North East, Pa. Chop Feed (5416)	11.63	11.00	3.83	4.00	8.07	6.00	Pure ground corn and oats.
PRESTONS, INC., Canton, Pa. Pure Corn and Oats Chop (6164)	11.81	10.00	4.76	4.00	6.46	7.00	As Certified
L. E. RHODES, Selinsgrove, Pa. Mixed Chop (5594)	10.81	10.00	3.87	4.00	5.19	6.00	Corn and oats.
SHAFFER STORES CO., Martinsburg, Pa. Pure Corn and Oate Chop (6491)	10.25	7.00	4.98	3.00	4.12	9.00	As Certified
SHARON MILLS, Shinglehouse, Pa. Corn and Oats Chop (5557)	11.13	10.00	3.52	3.00	5.20	8.00	As Certified
SNYDER MILLING CO., Timblin, Pa. Corn and Oats Chop (5724)	9.75	10.00	3.78	4.00	4.79	8.00	As Certified
SWOPE BROTHERS, Johnstown, Pa. Corn and Oats Chop (5242)	9.94	10.00	5.22	5.50	3.30	4.75	As Certified
L. M. TORREY, Townville, Pa. Pure Corn and Oats Chop (5761)	11.81	10.00	3.73	3.75	6.34	8.00	As Certified
THE URBANA MILLS CO., Urbana, Ohio Oround Corn and Oate Chop (5405)	10.25	-----	3.82	-----	7.67	-----	As Certified
C. Y. WAGNER & CO., INC., Bellefonte, Pa. Wagner's Pure Corn and Oats Chop (5995)	11.81	10.00	3.61	4.00	6.08	8.00	As Certified
WALDO BROTHERS, Wysox, Pa. Walbro Corn and Oats Chop (5314)	9.63	10.00	3.66	4.00	5.02	8.00	As Certified
Average	10.80	-----	4.02	-----	5.73	-----	
<u>Chop Feed</u>							
R. S. ALTMAN, Irwin, Pa. Altman's Chop (5293; 5951; 6309)	13.25	9.00	5.50	3.50	11.22	12.00	As Certified
Altman's Chop (5333)	12.63	9.00	5.07	3.50	10.60	12.00	Found in addition bone and ground oats.
Altman's Special Chop (6310)	10.56	9.00	4.04	4.00	9.55	10.00	As Certified
Altman's Special Chop (5337)	10.00	9.00	3.08	4.00	9.47	10.00	As Certified
Altman's Special Chop (5492)	10.69	9.00	3.38	4.00	9.03	10.00	As Certified
BROWN MILLING CO., Loyesturg, Pa. Mixed Chop (6229)	11.94	7.00	2.90	2.00	13.37	12.00	As Certified
BRYAN MILLS, Hughesville, Pa. Cow Chop (5472)	20.38	9.38	5.84	3.21	7.36	10.65	As Certified
O. A. DUFF, Lock Haven, Pa. Mixed Chop (5818)	10.44	9.00	3.43	4.00	5.39	6.00	As Certified
P. B. FURRY, Loysburg, Pa. Mixed Chop (6237)	11.00	8.00	2.88	3.00	13.33	12.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
THE HERRMAN-McLEAN CO., Cleveland, O.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Ohio Chop Feed (5379)	8.69	7.00	3.32	2.00	14.11	12.00	As Certified
Ohio Chop Feed (5435)	8.63	7.00	3.41	2.00	14.18	12.00	As Certified
Ohio Chop Feed (6294)	8.31	7.00	2.77	2.00	14.75	12.00	As Certified
MARTINSBURG MILLING CO., Mertineburg, Pe.							
Mixed Chop (6485)	8.94	9.00	2.31	3.00	11.89	12.00	As Certified
PARK & POLLARD CO., Buffalo, N. Y.							
Ground Serley Mixture Oats (5532)	17.50	10.00	3.30	3.50	9.76	9.00	As Certified
RICHARDS MILLING CO., Cortland, Ohio							
Special Chop (5943; 6278)	10.35	8.00	4.69	3.00	10.13	12.00	As Certified
ROUX FEED MILLS, Sharon, Pe.							
Roux Chop (6326)	16.56	10.00	4.07	3.25	12.94	12.00	Found in addition yeast greine.
TOLEDO GRAIN & MILLING CO., Toledo, Ohio							
Camp's C. O. & B. Chop Feed (5925)	9.94	9.00	3.71	3.00	11.79	11.00	As Certified
WARREN CITY MILLS, Warren, Pa.							
Corn, Oats and Serley Chop (5688)	11.19	9.00	3.63	3.00	5.80	8.00	As Certified
Average	11.80	-----	3.95	-----	10.82	-----	
<u>PROPRIETARY POULTRY SCRATCH AND</u>							
<u>MASH FEED</u>							
<u>Scratch Feed</u>							
ALLIED MILLS INC., Chicago, Ill.							
Empire Scratch Feed (5636)	13.13	9.00	2.83	2.50	3.20	4.00	As Certified
Wayne Chick Feed (5370; 5691)	11.91	9.00	4.09	2.00	2.15	4.00	As Certified
Wayne Pigeon Feed (5376)	16.94	12.00	2.56	2.00	2.76	5.00	As Certified
R. S. ALTMAN, Irwin, Pe.							
Altman's Scratch Feed (5291)	11.75	9.00	3.23	2.00	2.31	3.00	As Certified
Fine Chick Feed (6280)	12.50	10.00	4.43	2.00	2.47	2.00	As Certified
JOHN S. BROWN'S SON, New Castle, Pa.							
Our Quailty Mixed Grains (5544)	9.75	9.00	3.18	2.00	2.35	5.00	As Certified
BUCKEYE CEREAL CO., Massillon, Ohio							
Prosperity Scratch Feed (5395)	10.50	9.50	2.85	2.50	2.14	4.00	As Certified
G. E. CONKEY CO., Cleveland, Ohio							
Fifty-Fifty Scratch Greins (5748)	12.69	9.00	2.94	2.00	2.82	3.00	As Certified
DIETRICH & GAMBRILL INC., Frederick, Md.							
Gambrill's Chick Greins (5996)	11.77	10.00	3.97	2.50	2.67	3.00	As Certified
ROY J. DUNHAM, Wellsboro, Pe.							
Tyoge Mixed Grains for Poultry (6158)	11.00	10.00	2.54	3.00	2.98	5.00	As Certified
FLORY MILLING CO., INC., Sengor, Pe.							
Flory's Baby Chick Feed (5880)	11.75	9.00	2.97	2.50	2.39	5.00	As Certified
Flory's Intermediate Chick Feed (5876)	11.25	9.00	2.46	2.50	2.90	5.00	As Certified
THE GREAT ATLANTIC & PACIFIC TEA CO., New York, N. Y.							
Daily Growth Fine Chick Feed (6030)	10.75	10.00	2.92	3.00	2.64	5.00	As Certified
HUBBARD MILLING CO., Ambridge, Pe.							
Hubbard's Sunshine Scratch Greins (5280)	11.44	9.50	3.09	2.00	2.60	3.50	Serley not detected.
KASCO MILLS INC., Weverly, N. Y.							
Kesco Growing Greins (5983)	12.38	10.00	3.88	2.50	3.47	4.00	As Certified
Oc-Sek Scratch Greins (5381)	10.25	9.00	3.05	2.50	2.83	4.00	As Certified
H. S. KRATZ & SON, Schwenkville, Pe.							
Ideal Scratch Feed (5868)	12.19	10.00	2.67	3.00	3.52	4.00	As Certified
LARROWE MILLING CO., Detroit, Mich.							
Larro Scratch Greins (5530)	10.19	10.00	2.02	2.00	2.16	4.00	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y.							
88 Developing Feed (6076)	11.88	10.00	3.42	2.00	2.63	5.00	As Certified
P. J. OESTERLING & SON, Butler, Pe.							
Sunside Growing Greins (5624)	10.06	10.00	3.39	2.50	2.26	4.00	Found in addition unhulled oats.
PARK & POLLARD CO., Buffalo, N. Y.							
Peramont Scratch Feed (5529)	11.44	10.00	2.57	2.50	2.33	5.00	As Certified
REX GRAIN & MILLING CO., INC., Buffalo, N. Y.							
Rex Crown Intermediate Scratch Grein (5640)	12.63	10.00	3.16	3.00	1.98	4.00	As Certified
SHAFFER STORES CO., Mertinsburg, Pe.							
Penn-Alto Scratch Feed (6492)	11.56	8.00	2.55	1.50	2.79	4.00	Found in addition small amount corn cockle. Barley and sunflower seed not detected.
JESSE C. STEWART CO., Pittsburgh, Pe.							
Shedyside Blend Scratch Feed (5734)	10.44	9.00	3.24	2.50	3.12	5.00	As Certified
SHOPE BROTHERS, Johnstown, Pa.							
Cambria Chicken Feed (5240)	12.13	10.00	2.78	2.50	2.32	5.00	As Certified
THE URSANA MILLS CO., Urbane, Ohio							
Purity Chick Graine (5407)	12.56	10.00	3.15	2.50	1.93	3.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
WARREN CITY MILLS, Warren, Pa. Scratch Feed (5684)	11.38	10.00	2.58	3.50	2.85	5.00	As Certified
Average	11.72	-----	3.09	-----	2.60	-----	
<u>Mash Feed</u>							
ACME MILLING CO., Olean, N. Y.							
Acme All Mash Starter and Grower (5566)	19.00	16.50	4.93	3.80	4.47	7.00	As Certified
Acme Golden Mash for Baby Chick (5571)	20.25	20.00	5.63	4.00	4.86	6.80	As Certified
Acme Golden Mash for Growing Chick (5568)	22.06	20.00	5.04	4.00	4.67	6.00	As Certified
Acme Golden Mash for Laying Hens with Cod Liver Oil (5569)	24.13	22.00	5.54	4.00	5.44	6.50	As Certified
Acme Mash for Laying Hens with Buttermilk and Cod liver Oil (5567)	19.25	18.00	4.96	4.00	5.53	7.00	As Certified
ELWIN ALLEN, Granville Summit, Pa. Summit Layer Egg Mash with Cod Liver Oil (6262)	19.19	20.00	5.28	5.50	8.87	9.00	Found in addition small amount of ground screenings.
ALLIED MILLS INC., Chicago, Ill.							
Amco Growing Mash with Sardine Oil (5743)	20.19	17.00	5.30	4.00	6.05	6.00	As Certified
Amco Poultry Fattener (5365)	17.88	13.50	4.32	3.50	6.74	8.00	As Certified
Amco Super Egg Mash (5358)	19.44	18.50	4.37	4.00	6.46	7.00	As Certified
Amco Super Egg Mash with Sardine Oil (5340; 5346; 5712; 5747)	20.20	18.50	5.26	4.00	6.89	7.00	As Certified
Amco Super Sterting and Growing Mash with Sardine Oil (5289; 5713; 5804)	19.58	17.00	5.14	4.00	5.23	6.00	As Certified
Amco Super Starting and Growing Mash with Sardine Oil (5354)	23.19	17.00	5.09	4.00	4.88	6.00	Found in addition corn gluten feed. As Certified
Amco Tip Top Mash (5803; 5821)	19.47	17.50	5.17	3.50	7.34	7.00	Found in addition small amount ground screenings.
Amco Tip Top Mash (5351)	18.81	17.50	5.50	3.50	7.60	7.00	As Certified
Amco Tip Top Mash (5714)	19.63	17.50	4.96	3.50	7.76	7.00	As Certified
Amco 26% Mash Supplement with Sardine Oil (5368)	28.81	26.00	5.70	4.00	7.64	10.00	As Certified
Amco 32% Mash Supplement (5897)	34.76	32.00	3.95	4.00	8.41	8.00	As Certified
Empire Egg Mash (5352; 6148; 6303; 6338)	18.63	16.50	4.93	3.50	6.52	7.00	As Certified
Empire Egg Mash with Sardine Oil (5630)	19.31	16.50	5.50	3.50	6.67	7.00	As Certified
Empire Growing Mash (6339)	18.31	16.00	5.46	3.00	7.24	7.00	As Certified
Empire Growing Mash with Sardine Oil (5483)	18.25	16.00	4.82	3.00	5.96	7.00	As Certified
Empire Starter and Grower (5896)	18.56	16.00	4.60	3.50	6.70	6.00	As Certified
Empire Starter and Grower with Sardine Oil (5553; 5727)	18.38	16.00	5.18	3.50	5.74	6.00	As Certified
Ideal Egg Mash (6092)	21.19	18.00	6.32	3.50	8.25	10.00	As Certified
Tip Top Starter and Grower with Sardine Oil (5820)	18.81	16.00	5.60	3.50	7.11	6.00	As Certified
Topper Egg Mash (5374; 6152)	20.13	18.00	4.50	3.50	6.38	10.00	As Certified
Wayne Broiler Ration (5637; 5902)	19.54	18.00	5.32	3.50	6.43	8.00	As Certified
Wayne Chick Mash Concentrate (5362)	31.38	28.00	4.20	4.00	6.23	8.00	As Certified
Wayne Chick Starter (5900)	19.44	17.00	4.99	4.00	6.51	6.00	As Certified
Wayne Egg and Breeder Mash (5349; 5629; 5923; 6302)	19.65	18.00	4.76	3.50	6.56	7.00	As Certified
Wayne Egg and Breeder Mash with Sardine Oil (5371; 5443; 5690; 6149)	20.25	18.00	5.49	3.50	6.53	7.00	As Certified
Wayne Growing Mash (5347; 6306)	18.38	16.00	5.23	4.00	5.51	6.00	As Certified
Wayne Growing Mash (6519)	19.44	16.00	5.00	4.00	7.28	6.00	As Certified
Wayne Growing Mash with Sardine Oil (5634; 6305)	17.63	16.00	5.21	4.00	5.52	6.00	As Certified
Wayne Local Mix Chick Mash with Sardine Oil (5484)	15.88	16.00	5.15	3.50	3.59	6.00	As Certified
Wayne Mash Concentrate with Sardine Oil (5899)	37.50	32.00	6.26	4.00	8.09	8.00	As Certified
Wayne Poultry Fattener (5364; 5715; 6518)	16.71	13.50	4.90	3.50	6.50	8.00	As Certified
Wayne Turkey Growing Mash (6304)	17.44	18.00	4.55	3.50	6.24	8.00	As Certified
Wayne Turkey Mash Concentrate (5898)	35.19	33.00	6.50	4.00	6.93	7.00	As Certified
Wayne Turkey Sterting Mash (5348)	28.19	25.00	5.65	4.00	5.97	8.00	As Certified
Wayne 26% Mash Supplement (5350)	29.56	26.00	4.96	4.00	7.01	10.00	As Certified
Wayne 26% Mash Supplement with Sardine Oil (5901)	27.94	26.00	6.23	4.00	9.95	10.00	As Certified
R. S. ALTMAN, Irwin, Pa.							
Altman's Buttermilk Growing Mash (5288; 5906; 6283)	19.96	17.00	4.90	4.00	7.77	9.00	As Certified
Altman's Buttermilk Growing Mash (6002)	21.06	17.00	4.70	4.00	7.34	9.00	Calcium carbonate not detected.
Altman's Buttermilk Growing Mash (5490)	19.19	17.00	4.67	4.00	6.61	9.00	Soy bean meal not detected.
Altman's Buttermilk Starting Mash (6003)	20.06	17.00	4.72	4.00	6.45	7.00	Found in addition ground barley.
Altman's Fattening Mash (5499)	20.31	15.00	5.14	5.00	5.25	4.00	As Certified
Altman's Fattening Mash (6004)	19.63	15.00	5.28	5.00	4.72	4.00	As Certified
Altman's Growing Mash with Yeast Foam (5284)	17.38	17.00	4.79	4.00	7.46	9.00	As Certified
Altman's Quality Egg Mash (5284; 5329; 5493; 5516; 6001; 6279)	21.07	20.00	4.64	4.00	7.06	7.00	As Certified
Altman's Quality Egg Mash (5952)	20.13	20.00	4.25	4.00	7.48	9.00	Found in addition small amount ground screenings.
Altman's Super Yeast Egg Mash (5336; 5517; 6312)	23.25	18.00	5.50	4.00	6.73	9.00	As Certified
Altman's Super Yeast Egg Mash (5285)	23.69	18.00	5.71	4.00	6.46	9.00	Found in addition charcoal.
Altman's Yeast Foam Combination Starter and Broiler Ration (5287)	20.25	16.00	5.17	4.00	6.27	7.00	As Certified
Altman's Yeast Foam Combination Starter and Broiler Ration (5334)	19.25	16.00	5.27	4.00	5.01	7.00	Found in addition bone meal and char- coal.
Altman's Yeast Turkey Starter--Grower (5953)	21.44	25.00	5.32	4.00	6.12	7.00	Found in addition small amount ground screenings.
Irwin Egg Mash (5286)	21.19	18.00	4.95	4.00	8.67	8.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
ANDERSON GRAIN & FEED CO., INC., York, Pa.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Andereon's All Mash Starter and Grower (5833)	17.88	16.00	5.67	4.00	6.42	6.50	As Certified
Andereon's Baby Chick Starting Mash with Dried Buttermilk (5827)	19.94	16.00	5.44	4.00	6.85	6.00	Ae Certified
Andereon's Broiler Ration (5828)	17.69	17.00	4.83	4.00	6.55	6.00	As Certified
Andereon's Broiler Ration with Hubbard's Sunshine Concentrate and Cod Liver Oil (5838)	18.63	18.00	5.79	5.00	7.62	6.00	As Certified
Anderson's Chick Starter Mash (5835)	19.94	18.00	5.65	5.00	7.93	6.00	As Certified
Anderson's Crate Fattening Mash (5832)	17.13	15.00	5.15	4.50	5.92	6.00	Found in addition charcoal. Coconut oil meal not detected.
Anderson's Growing Mash with Dried Buttermilk (5830)	19.31	17.00	5.82	4.00	6.95	6.00	As Certified
Andereon's Growing Mash with Rubbard's Sunshine Concentrate and Cod Liver Oil (5839)	18.63	18.00	5.78	5.00	7.83	7.00	As Certified
Anderson's Laying Mash with Dried Buttermilk (5825)	22.56	20.00	4.80	4.50	8.33	8.00	Ae Certified
Andereon's Mineraltone Laying Mash (5824)	23.25	20.00	4.97	4.00	8.59	8.00	Ae Certified
Andereon's Turkey Growing Mash with Hubbard's Sunshine Concentrate and Cod Liver Oil (5820)	22.00	20.00	6.02	5.00	6.75	6.00	As Certified
Anderson's Turkey Starting Mash (5829)	25.00	24.00	5.93	4.00	6.12	6.00	As Certified
Andereon's 20 Laying Mash with Dried Buttermilk (5826)	22.81	20.00	4.99	4.00	7.93	8.00	Ae Certified
White Rose Chick Starter (5834)	17.81	15.00	5.04	4.00	6.24	6.50	As Certified
ARCADY FARMS MILLING CO., Chicago, Ill.							
Wonder Fattening Mash (6397)	16.19	12.50	4.62	4.00	7.70	7.00	Ae Certified
H. O. AYER, Ulster, Pa.							
Laying Mash (6080)	24.19	18.00	5.86	4.00	7.16	9.00	As Certified
A. J. SALSHI, Catawissa, Pa.							
Must Oro Growing Mash (6349)	19.56	17.00	5.92	3.50	6.66	8.00	As Certified
Must-Lay-Well Egg Mash (6350)	20.06	18.00	4.93	3.50	5.72	8.00	As Certified
Must Liv and Oro Starter and Grower (6351)	20.38	17.00	5.57	3.50	6.34	8.00	Ae Certified
R. A. BATES & SON, Knoxville, Pa.							
Oak Leaf Egg Mash (5310)	20.69	18.00	5.34	4.00	5.97	8.00	As Certified
THE SEACON MILLING CO., INC., Cayuga, N. Y.							
Seacon Cayuga Laying Mash with Buttermilk (6083; 6406)	21.88	20.00	5.76	4.00	6.87	7.00	Ae Certified
Seacon Complete Starting Ration (6081)	19.13	17.50	4.55	4.00	4.98	6.00	As Certified
Seacon Duck Breedere Fitting Ration (6412)	15.81	13.00	4.23	4.00	6.01	7.00	As Certified
Seacon Egg Mash with Buttermilk (6082; 6409)	23.85	22.00	5.86	4.50	6.68	7.00	As Certified
Seacon Fleshing Pellete (6405)	16.63	15.00	4.82	3.50	6.12	5.00	As Certified
Seacon Growing Mash (6408)	20.25	18.00	6.41	4.00	7.03	7.00	Found in addition small amount ground screenings.
Seacon Turkey Growing Feed (6407)	21.50	20.00	5.18	4.00	6.58	7.00	Found in addition small amount ground screenings.
SENTON ROLLER MILLS, Senton, Pa.							
Laying Mash (6363)	16.00	18.00	4.60	4.50	5.41	9.00	Mineral salt identi- fied as iodized salt.
Penn State All Mash Chick Starter and Grower (6364)	16.50	16.00	4.57	3.50	5.04	8.00	Found in addition small amount ground screenings. Mineral salt checked as iodized salt.
C. R. BERGER, Trout Run, Pa.							
Berger's Starter and Growing Mash (5796)	17.31	16.00	4.22	4.00	4.30	6.00	As Certified
Provegin Vegetable Laying Mash (5797)	20.69	20.00	5.01	4.00	7.46	7.50	As Certified
P. E. BINGAMAN & SONS, Elizabethville, Pa.							
Just Right Egg Mash with Cod Liver Oil (6463)	20.31	20.00	5.72	6.00	6.91	8.50	As Certified
Just Right Growing Mash with Cod Liver Oil (6464)	16.50	16.00	4.63	4.00	5.78	6.00	As Certified
SLANK & GOTTSHALL CO., INC., Sunbury, Pa.							
E & G Growing Mash (6355)	18.06	18.00	6.58	6.00	4.83	7.00	As Certified
E & G Laying Mash (6354)	19.63	18.00	5.50	5.00	6.40	6.50	As Certified
E & G Laying Mash (6404)	18.31	18.00	5.45	5.00	6.15	6.50	Found in addition small amount ground screenings.
BROWN & FASSETT, Tunkhannock, Pa.							
E & F Favorite Dry Mash (6183)	19.75	18.00	5.27	5.00	7.61	9.00	As Certified
E & F Growing Mash (6184)	17.75	17.50	5.36	4.50	5.79	6.50	As Certified
JOHN S. BROWN'S SON, New Castle, Pa.							
Full Value Laying Mash (5549)	21.19	20.00	5.37	4.00	7.92	8.00	As Certified
Our Quality Laying Mash (5548)	22.25	20.00	5.80	4.00	7.61	7.00	As Certified
Our Quality Oat Meal Starting and Growing Mash (5546)	20.63	15.00	5.80	5.00	7.66	6.00	As Certified
BROWN MILLING CO., Lysburg, Pa.							
White Rose Egg Mash (6233)	16.75	20.00	4.52	4.50	7.46	7.50	Minerals identified as calcium carbonate.
F. S. SRUBAKER & SON, Grantham, Pa.							
Srubakers Growing Mash (5790)	17.84	16.00	4.87	4.00	6.70	7.00	As Certified
Srubakers Laying Mash (5788)	22.88	20.00	5.24	5.00	7.42	7.00	As Certified
Srubakers Starting Mash (5791)	16.56	16.00	4.98	4.00	5.22	6.50	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
BRYAN MILLS, Rugheavilla, Pa. Egg Mash (5469)	P. ct. 18.00	P. ct. 18.00	P. ct. 5.02	P. ct. 5.00	P. ct. 3.40	P. ct. 5.00	Ingredients identified: Wheat bran, wheat middlings, ground oats, corn meal and bone meal and salt. Ingredients identified: Ground oats, wheat bran, wheat middlings, corn meal, powdered milk, bone meal, meat, oyster shell meal and salt.
Starter and Grower Mash (5470)	15.25	14.19	4.57	3.50	2.52	3.00	
BUCKEYE CEREAL CO., Massillon, Ohio Prosperity Laying Mash (5389) Gold Standard Laying Mash (5388)	19.31 18.50	18.00 18.00	5.78 4.68	3.00 4.00	6.08 9.41	8.00 10.00	As Certified As Certified
CALLENSBURG ROLLER MILLS, Callensburg, Pa. Just Right Chick Starter (5977) Just Right Egg Mash (5981) Just Right Growing Mash (5976)	17.69 19.82 16.88	16.00 19.00 17.00	3.68 3.88 3.25	4.00 3.50 4.00	7.29 8.57 6.76	10.00 10.00 10.00	As Certified As Certified As Certified
CAYLOR'S MILL, Ringgold, Pa. Cayco Laying Mash (5738)	18.00	20.00	6.17	4.50	7.21	7.50	As Certified
CITY FLOURING MILLS, INC., Muncy, Pa. Muncy Laying Mash (5573) Muncy Starting and Growing Mash (5572)	20.06 17.63	19.00 17.00	4.85 4.15	4.00 4.00	6.09 4.52	7.00 7.00	As Certified As Certified
COLLEGEVILLE MILLS, Collageville, Pa. Improved Growing Mash with Cod Liver Oil (5869) Improved Laying Mash (5870)	20.25 22.00	18.50 20.00	5.84 5.39	5.50 5.00	5.75 6.49	6.00 8.00	As Certified As Certified
COMMUNITY FLOUR MILLS, Barwick, Pa. Supreme Egg Mash (5266) Supreme Growing Mash (5268)	21.38 17.44	20.00 18.00	5.88 5.70	5.22 4.50	6.30 5.01	8.23 5.50	Found in addition fish meal. As Certified
THE G. E. CONKEY CO., Cleveland, Ohio Conkey's Red Seal Growing Mash (6136) Conkey's Red Seal Laying Mash (6137) Conkey's Y-O Brand All Mash Chick Ration (5750; 6139) Conkey's Y-O Brand Broiler Mash (5751) Conkey's Y-O Brand Egg Mash (5749) Conkey's Y-O Brand Growing Mash (6140) Conkey's Y-O Brand Turkey Starting and Growing Mash (6141) Conkey's Y-O Brand 32% Supplement Mash (5752)	19.31 22.69 17.82 18.75 21.69 19.19 28.19 34.75	18.00 20.00 16.00 19.00 20.00 20.00 26.00 32.00	5.34 5.58 5.37 4.89 5.38 5.52 6.19 6.41	3.50 4.00 4.50 4.00 4.00 4.00 5.00 5.00	4.96 5.90 5.00 4.95 5.58 5.62 5.43 5.93	7.00 7.00 6.00 7.00 7.00 7.00 8.00 10.00	As Certified As Certified As Certified As Certified As Certified As Certified As Certified As Certified
COOPERATIVE G.L.F. MILLS, INC., Buffalo, N. Y. Growing Mash (6127) Laying Mash (5236; 5409; 6037) Market Laying Mash (5452) Starting and Growing Mash (5233; 5408; 5454; 6038) Super Laying and Braeding Mash (5234; 5298) Super Laying Mash (5235; 5295; 6443) Thrifty Mash (5453)	19.50 23.17 22.50 19.83 21.41 21.15 20.94	17.50 20.00 20.00 17.50 19.50 19.50 19.00	4.45 5.36 4.89 4.70 5.10 5.22 4.96	4.00 4.00 4.00 4.00 4.00 4.00 4.00	6.78 5.86 5.50 5.52 5.82 4.93 5.14	7.00 7.00 7.00 6.00 7.00 7.00 6.00	As Certified As Certified As Certified As Certified As Certified As Certified As Certified
COVE FARM SUPPLY CO., Curryville, Pa. Koontz Egg Mash (6217) Koontz Starting and Growing Mash (6216)	20.50 19.31	18.00 17.00	5.64 5.49	3.50 4.00	4.59 4.83	7.00 6.00	As Certified Found in addition bone.
W. E. CUSTER, Milton, Pa. Custer's Egg Mash (6010) Custer's Growing Mash (6011) Custer's Starting Mash (6012)	18.00 17.81 17.81	18.00 14.00 14.00	5.16 4.96 5.31	4.00 3.50 3.50	8.08 7.71 6.49	8.00 5.00 5.00	Found in addition bone. As Certified As Certified
DAYTON MILLING CO., Towanda, Pa. Dayton's Ideal Laying Mash (5316)	20.44	18.00	5.41	3.00	5.04	8.00	As Certified
DEAN & LEE, Horsesheds, N. Y. Ideal Growing Mash (6264) Pioneer Poultry Mash (6263)	17.19 22.50	15.00 20.00	4.61 5.54	4.00 4.00	5.94 6.67	7.00 7.00	As Certified Found in addition small amount ground screenings.
Utility All Mash (5304)	18.50	16.00	4.71	3.00	6.35	8.00	As Certified
DELAWARE MILLS INC., Deposit, N. Y. Delaware Chick Starting Mash (5971) Delaware Laying Mash (5969) Indian Growing Mash with Dried Skim Milk (5966) Indian Laying Mash with Dried Skim Milk (5970)	19.06 19.75 17.56 19.19	17.00 20.00 15.00 18.00	5.73 5.45 3.34 4.42	5.00 5.00 4.50 4.50	6.36 6.49 7.93 8.05	6.00 7.00 7.00 8.00	As Certified As Certified Found in addition ground buckwheat. As Certified
THE ALBERT DICKINSON CO., Chicago, Ill. Globe Growing Ration (5947) Rival Egg Mash (5946)	16.44 17.00	16.00 17.00	4.89 4.01	4.00 3.50	6.57 6.53	6.60 7.00	As Certified As Certified
DIETRICH & GAMBRILL, INC., Lewisburg, Pa. All Purposa Complete Ration (5581) D & G Turkey Growing Mash (5582)	17.50 21.50	15.00 20.00	4.83 5.29	4.50 4.00	4.56 5.19	6.00 8.00	As Certified As Certified
THE DUNHAM MILLS, Wallabore, Pa. Tyoga All Purposa Mash (6156)	21.00	20.00	4.92	5.00	5.93	7.00	As Certified



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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
H. E. DYE, Turbotville, Pa. Dye's Quality Laying Mash (5997)	17.75	18.00	4.31	4.00	6.62	8.00	As Certified
EASTERN STATES FARMERS EXCHANGE Springfield, Maes.							
Eastern States Combination Mash (6249)	16.50	15.00	5.33	4.00	5.73	6.50	As Certified
Eastern States Producer 20 (6252)	21.94	20.00	6.46	4.00	5.99	6.00	As Certified
Eastern States Starting and Broiler Ration (6248)	20.00	18.50	4.99	4.00	4.67	5.00	As Certified
EATON FLOUR MILL, Lawrenceville, Pa. Eaton Laying Mash (6085)	21.38	20.00	5.61	4.00	6.24	7.00	Found in addition small amount ground grain screenings.
JOHN W. ESHELMAN & SONS, Lancaster, Pa. Pennsy Laying Mash with Cod Liver Oil (6215)	20.88	18.00	5.07	5.00	6.75	8.50	As Certified
Red Rose All Mash Starter (5425; 5563)	19.10	16.00	5.32	4.00	5.16	6.50	As Certified
Red Rose All Mash Starter and Crower with Cod Liver Oil (5564)	18.88	16.00	5.17	4.00	6.47	6.50	As Certified
FARM BUREAU MILLING CO., INC., Chicago, Ill.							
Farm Bureau Egg Maker (5883)	20.06	19.00	4.88	4.50	6.04	6.00	As Certified
Farm Bureau Marmada Balancer 32% Protein with Cod Liver Oil (5885)	32.75	32.00	5.30	4.00	7.26	5.50	As Certified
Farm Bureau Marmash 18% Protein (5888)	19.06	18.00	4.62	3.50	5.30	5.00	As Certified
STANLEY C. FICKES, Newport, Pa.							
Big Value Egg Mash (6473)	20.75	19.00	5.55	4.00	6.01	7.00	As Certified
Big Value Growing Mash (6478)	17.75	15.50	4.68	3.50	5.32	8.00	As Certified
Pickas None Better Growing Mash (6472)	18.94	16.00	4.97	4.00	5.78	7.00	Found in addition small amount ground screenings.
Fickas Nona Batter Laying Mash Concentrate (6474)	30.69	32.00	4.81	4.00	6.90	7.00	As Certified
Fickas Nona Batter Laying Mash with Cod Liver Oil (6471)	21.00	19.00	5.17	4.50	5.60	6.50	As Certified
Fickas Turkey Mash (6477)	21.13	20.00	4.12	3.50	5.93	8.00	Found in addition ground barley and small amount ground screenings.
FLORY MILLING CO., INC., Bangor, Pa.							
All-Mash Chick Starter (5873)	18.56	17.00	5.40	4.50	6.09	6.00	As Certified
Egg Mash (5877)	22.38	20.00	5.41	4.50	7.50	6.00	As Certified
Colden Egg Laying Mash (5872)	20.00	20.00	4.87	4.00	7.16	7.00	Found in addition charcoal.
Crowing Mash (5874)	20.06	17.00	5.17	4.00	6.72	7.00	As Certified
S. FOUGHT & SON, Hughesville, Pa. Fought's Pennsylvania State Laying Mash (5813)	22.44	18.00	4.95	3.75	7.71	10.00	As Certified
P. B. FURRY, Loysburg, Pa. Economy Egg Mash (6240)	20.25	18.00	4.37	4.00	6.49	6.50	Found in addition charcoal.
Egg Mash (6243)	21.00	19.00	4.47	4.50	6.21	7.00	As Certified
Growing Mash (6241)	18.88	17.00	4.62	4.50	6.38	5.00	As Certified
Starting Mash (6242)	19.75	17.00	4.61	4.50	5.42	5.00	As Certified
H. L. CARRISON & BROTHER, Berwick, Pa. Extra Quality Laying Mash (5269)	20.00	18.00	5.40	5.00	7.15	10.00	As Certified
M. B. CLICK, Richfield, Pa.							
Glick's Old Faithful Laying Mash (5599)	21.00	20.00	5.35	4.00	6.43	6.50	As Certified
Glick's Old Faithful Starter and Grower (5598)	18.81	18.00	5.47	4.00	7.05	6.00	As Certified
COLDEN CRAIN MILLS INC., Harrisburg, Pa.							
Capitol Egg Mash (6505)	24.38	18.00	5.30	4.50	8.62	8.00	Found in addition oyster shells.
Capitol Egg Mash (6170)	21.75	18.00	4.69	4.50	9.68	8.00	Found in addition brewers dried grains and malt sprouts.
Golden Grain Broiler Ration (6176)	21.00	18.00	4.58	4.00	6.07	6.00	As Certified
Colden Grain Egg Mash with Milk and Oil (6168)	24.00	20.00	5.37	5.00	8.71	6.00	Found in addition ground buckwheat and brewers dried grains.
Colden Grain Growing Mash (6169)	18.94	16.00	3.77	4.00	8.94	6.00	Found in addition oyster shell meal.
Colden Grain Mash Concentrate 32% (6177)	32.69	32.00	5.23	4.00	6.92	8.00	As Certified
Colden Grain Poultry Pattenar (6175)	20.31	13.00	7.17	4.00	7.75	8.00	As Certified
Colden Grain Starter and Crower (6171)	22.94	17.50	4.84	4.00	8.25	6.00	Found in addition brewers dried grains.
Colden Grain Starter Concentrate 28% (6173)	31.31	28.00	5.59	4.50	8.12	8.00	Found in addition animal charcoal.
Colden Grain Turkey Mash with Milk and Oil (6172)	23.56	17.00	5.46	4.00	9.87	8.00	As Certified
GOOD'S CITY MILLS, INC., Williamsport, Pa.							
Good's Goodmash (5562)	21.00	18.00	5.38	4.00	4.82	8.00	As Certified
D. H. GRANDIN MILLING CO., Jamestown, N. Y.							
Grandin's Growing Mash (6058)	15.94	15.00	4.53	4.00	6.75	8.00	As Certified
THE GREAT ATLANTIC & PACIFIC TEA CO., New York, N. Y.							
Daily Egg Laying Mash (6032)	22.13	20.00	4.78	4.00	6.66	6.50	As Certified
Daily Egg Laying Mash (5922)	22.75	20.00	4.86	4.00	7.55	6.50	As Certified
Daily Growth Growing Mash (5921)	18.75	17.50	4.64	4.00	7.89	6.50	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
HALES & HUNTER CO., Chicago, Ill.							
Morning Glory Egg Mash with Dried Buttermilk (6024)	20.44	20.00	4.70	4.00	6.93	8.00	As Certified
Red Comb Egg Mash with Dried Buttermilk (6025)	18.56	18.00	3.49	4.00	6.67	7.00	As Certified
HANEY-FRAZIER MILLING CO., Danville, Pa.							
Hen-O-La Mash (5250)	20.13	18.00	5.12	3.00	6.79	8.00	As Certified
I. B. HEIMBACH & SON, E. Greenville, Pa.							
Lay Better Egg Mash (5903)	17.81	18.00	5.13	4.00	7.21	7.00	As Certified
Plain Sack Chick Starter (5864)	17.56	15.00	4.70	5.00	5.77	6.00	As Certified
Plain Sack Growing Mash (5863)	19.44	16.00	5.05	5.00	6.96	7.00	As Certified
RONESDALE FLOUR & FEED CO., Honesdale, Pa.							
Tru-Mix Laying Mash (6057)	20.56	18.00	4.58	5.00	5.43	6.50	As Certified
Tru-Mix Starting and Growing Mash (6054)	18.56	18.00	4.50	4.50	4.59	5.50	As Certified
Tru-Mix Turkey Growing Mash (6055)	24.25	24.00	5.02	4.50	6.75	8.00	Found in addition bone.
HUBBARD MILLING CO., Ambridge, Pa.							
Hubbard's Standard All Mash Chick Starter (5276)	19.31	16.00	5.43	5.00	4.98	5.00	As Certified
Hubbard's Standard Egg Mash (5273)	18.44	17.00	5.16	5.00	5.83	7.00	As Certified
Hubbard's Sunshine Chick Starter (5275)	20.38	18.00	5.63	5.00	4.98	5.00	As Certified
Hubbard's Sunshine Concentrate (5281)	33.94	32.00	4.37	5.00	5.43	7.50	As Certified
Hubbard's Sunshine Concentrate without Cod Liver Oil (5843)	33.69	32.00	4.54	5.00	6.71	7.00	As Certified
Hubbard's Sunshine Egg Mash (5272)	22.06	20.00	6.03	4.50	7.00	7.50	As Certified
Hubbard's Sunshine Growing Mash (5274)	20.13	15.00	5.58	5.00	7.46	5.00	Found in addition soybean meal.
Hubbard's Sunshine Turkey Grower (5278)	23.50	20.00	6.14	5.00	5.64	6.00	Found in addition barley.
Hubbard's Sunshine Turkey Laying Mash (5279)	22.44	20.00	6.18	4.50	6.68	7.00	As Certified
Hubbard's Sunshine Turkey Starter Mash (5277)	28.69	26.00	6.36	5.50	4.53	6.50	As Certified
HYDETOWN MILLING CO., Hydetown, Pa.							
Our Quality Laying Mash (5768)	20.44	20.00	5.15	4.00	6.74	7.00	As Certified
Our Quality Starting and Growing Mash (5770)	21.31	18.00	4.74	3.50	5.92	5.00	As Certified
J. W. JOHNSON & SON, Albion, Pa.							
Economy Egg Mash (6102)	21.88	21.00	5.29	4.50	6.28	7.00	Organic minerals identified; bone and charcoal.
Economy Growing Mash (6101)	17.81	17.00	5.17	4.00	7.46	8.00	Found in addition ground barley, bone and alfalfa meal.
Johnson's Penn State Egg Mash (6099)	20.25	18.00	5.77	4.00	5.61	6.00	Found in addition soybean meal.
Johnson's Penn State Starting and Growing Mash (6100)	20.88	20.00	5.53	4.50	4.77	4.50	As Certified
KASCO MILLS, INC., Waverly, N. Y.							
Apex Complete Grower (5982; 6121)	16.41	14.00	4.59	4.00	6.69	8.50	As Certified
Apex Laying Mash (6126)	21.50	20.00	5.13	4.00	5.98	8.50	As Certified
Kesco All-Mash Chick Food (6122)	19.50	17.00	5.47	4.00	4.76	5.50	As Certified
Kesco All-Mash Laying Food (6120)	19.00	15.00	4.83	4.00	5.94	6.00	As Certified
Kesco Laying Mash (6125)	23.00	20.00	5.20	4.00	6.36	6.50	As Certified
Kesco Turkey Grower (6119)	21.88	20.00	4.53	4.00	8.02	8.00	As Certified
Kesco Turkey Starter (6124)	26.06	24.00	5.21	4.00	7.60	8.00	As Certified
HERMAN KEEBLER, Montoursville, Pa.							
Keebler's Starting and Growing Mash (5473)	18.50	18.25	4.53	4.25	4.93	5.50	As Certified
S. C. F. Laying Mash (5475)	17.88	13.00	4.79	4.00	5.40	6.00	Found in addition ground barley.
KEISER FEED CO., Grampian, Pa.							
Keiser's Egg Mash (5436)	19.75	17.00	6.00	4.00	6.51	8.00	As Certified
J. J. KENNEDY & SONS, Zelienople, Pa.							
Kennedy's Chick Starter and Grower Mash (5524)	18.69	18.00	5.30	5.00	5.64	6.00	As Certified
Kennedy's Egg Mash (5525)	17.88	17.00	5.10	5.00	5.23	7.00	As Certified
Kennedy's 20% Egg Mash (5526)	20.63	20.00	5.70	4.50	5.92	7.50	As Certified
F. B. KERN, Catawissa, Pa.							
Kernie's Growing Mash (6342)	17.75	18.00	5.72	4.50	5.96	6.50	As Certified
KEYSTONE FEED AND FARM PRODUCTS CORP., Connellsville, Pa.							
Keystone Growing Mash (6275)	19.69	18.00	4.76	4.00	5.46	8.00	Found in addition linseed oil meal.
Keystone Laying Mash (6277)	18.75	18.00	4.94	5.00	8.67	8.00	Found in addition bone.
YLINGLER MILLS, Butler, Pa.							
O.K. Egg Mash (5604)	23.13	20.00	5.26	4.00	8.35	10.00	As Certified
F. B. KRATZ & SON, Schwenksville, Pa.							
Ideal Growing Mash (5866)	20.50	18.50	5.53	5.00	7.69	5.50	As Certified
Ideal Laying Mash (5867)	21.13	19.00	5.57	4.00	9.04	5.50	As Certified
THE LARROVE MILLING CO., Detroit, Mich.							
Larro Chick Builder (5731)	21.44	19.00	4.56	4.00	6.62	7.00	As Certified
Larro Chick Builder (6160)	22.13	19.00	4.74	4.00	6.68	7.00	Found in addition small amount ground grain screenings.
Larro Egg Mash (5732; 6159)	22.53	20.00	4.62	4.00	6.76	7.50	As Certified
Larro Turkey Adult Mash (5735)	22.88	20.00	4.50	4.00	7.12	7.50	As Certified
LYCOMING MILLS, Williamsport, Pa.							
Lycoming Laying Mash (5578)	25.75	19.00	4.05	4.50	8.43	8.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
McMILLEN FEED MILLS INC., Fort Wayne, Ind.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Master Mix Egg Mash (6429)	20.44	18.00	4.10	4.00	6.03	6.00	As Certified
Master Mix Growing Mash (6430)	18.88	16.00	4.00	4.00	6.10	6.00	As Certified
Master Mix 32% Chick Concentrate (5913)	32.31	32.00	4.33	4.00	8.72	8.00	As Certified
Master Mix 34% Mash Concentrate (5386; 5424; 6428)	36.25	34.00	4.89	4.00	7.54	8.00	As Certified
W. H. MANBECK & CO., Mifflin, Pa. Juniata Laying Mash (6019)	21.13	19.50	5.25	4.40	7.23	7.30	As Certified
MARITIME MILLING CO., INC., Buffalo, N. Y.							
BB All Mash Starter and Growing Ration (6022)	19.94	17.00	4.80	4.00	6.95	7.00	As Certified
BB Complete Turkey Starter Mash (6023)	26.25	25.00	4.72	5.50	5.90	6.00	As Certified
BB Daisy Egg Mash Vitamized with Cod Liver Oil and Dried Buttermilk (6021; 6077)	21.44	20.00	4.23	3.50	8.03	9.00	As Certified
MARTINSBURG MILLING CO., Martinsburg, Pa.							
Champion Egg Mash (6486)	17.25	17.00	5.19	5.00	6.02	7.00	As Certified
Champion 20% Laying Mash (6487)	20.00	20.00	5.46	4.50	7.25	7.50	As Certified
MEAD & BANNISTER, North East, Pa. A & O Laying Mash (6112)	21.69	19.00	5.99	4.00	7.21	8.00	Minerals identified: calcium carbonate, charcoal and salt. Found in addition charcoal.
M & B All Purpose Mash (6113)	19.81	18.00	4.95	4.00	6.20	7.00	Found in addition charcoal.
M & B Laying Mash (5419)	20.25	18.00	5.12	4.00	5.15	7.00	Found in addition charcoal, bone and ground corn. Minerals identified: salt and calcium carbonate.
M & B Laying Mash (6110)	21.19	18.00	5.57	4.00	6.44	7.00	Found in addition bone. Minerals identified: salt, charcoal and calcium carbonate.
M & B Starting and Growing Mash (5418)	19.19	18.00	4.73	3.50	4.75	5.00	Minerals identified: salt and calcium carbonate.
M & B Starting and Growing Mash (6114)	20.44	18.00	5.34	3.50	6.31	5.00	Minerals identified: calcium carbonate, charcoal and salt.
MECHANICSBURG MILLING CO., Mechanicsburg, Pa.							
Growing Mash (5780)	22.94	18.00	5.25	4.90	5.54	6.00	As Certified
Laying Mash (5781)	22.06	20.00	5.11	4.00	5.60	6.50	As Certified
Starting Mash (5779)	22.00	17.00	6.36	6.00	5.77	5.00	As Certified
MIFFLINBURG FARMERS EXCHANGE INC., Mifflinburg, Pa.							
Farmers' Exchange Egg Mash (5590)	18.81	18.00	4.24	4.00	5.16	8.00	As Certified
Two in One Starting and Growing Mash (5589)	19.63	16.50	5.00	4.00	5.15	6.25	As Certified
MONSEY MILLING CO., Muncy, Pa. Monsey Laying Mash (5811)	16.75	17.00	4.74	3.00	6.85	6.00	As Certified
MOYER & SON, Souderton, Pa.							
Home Growing Feed (5702)	19.94	19.00	5.00	4.50	7.00	8.00	As Certified
Home Starting Feed (5709)	16.19	16.00	5.37	5.00	7.11	8.00	As Certified
Iodized Growing Mash (5707)	19.94	18.00	5.39	4.50	5.57	7.00	As Certified
Iodized Laying Mash (5710)	19.63	18.75	5.22	5.00	5.55	6.25	As Certified
Iodized Starting Mash (5708)	17.68	18.00	5.23	4.50	5.33	5.50	As Certified
Mash for Pulletts (5704)	20.75	18.50	5.46	4.00	5.82	6.50	As Certified
Revised Laying Mash (5706)	23.13	23.00	6.11	5.00	7.61	9.00	As Certified
Specialty Poultry Mash (5703)	18.56	15.00	5.31	4.00	8.53	8.50	As Certified
P. J. OESTERLING & SON, Butler, Pa.							
Cash and Carry Chick Starter (5621)	18.19	16.00	5.02	3.00	6.68	8.00	As Certified
Cash and Carry Growing Mash (5623)	22.38	18.00	4.35	3.50	8.69	8.00	As Certified
Cash and Carry Egg Mash (5319)	21.25	20.00	4.06	3.50	8.76	8.00	As Certified
Cash and Carry Egg Mash (5608)	23.13	20.00	4.03	3.50	8.84	8.00	Found in addition oyster shell meal.
Mack's Special Chick Starter (5617)	19.50	17.00	5.74	4.00	6.70	7.00	As Certified
Our Quality Sunside Egg Mash (5320; 5614)	21.38	20.00	5.66	4.00	7.52	8.00	As Certified
Our Quality Sunside Egg Mash with Neu-Life Minerals (5613)	22.19	20.00	5.84	4.00	7.82	8.00	As Certified
Sunside Broiler Mash (5620)	19.19	16.00	5.36	4.00	7.30	7.00	As Certified
Sunside Egg-Maker Mash (5619)	24.06	18.00	4.39	4.00	9.21	8.00	As Certified
Sunside Egg-Maker Mash with Yeast (5618)	22.75	18.00	4.23	4.00	9.28	8.00	As Certified
Sunside Egg Mash with Buttermilk (5609)	23.38	20.00	5.52	4.00	6.35	7.50	As Certified
Sunside Growing Mash (5611)	20.75	18.00	4.81	4.00	7.93	7.50	As Certified
Sunside Turkey Starter and Growing Mash (5622)	24.63	20.00	5.64	4.00	6.38	8.00	As Certified
JOSEPH OTTO, North East, Pa. Just-Right Chick Starter (5415)	18.31	16.00	4.80	5.00	6.16	6.00	Found in addition brewers dried grains.
PAOLI COAL & SUPPLY CO., West Chester, Pa.							
Paoli Chick Builder (5680)	19.25	16.00	5.05	4.25	6.54	7.25	As Certified
Paoli Farmers 27% Supplement with Cod Liver Oil (5678)	30.25	27.00	6.62	5.50	6.04	8.00	As Certified
Paoli Grow-Rite Growing Mash (5667)	19.13	18.00	4.90	4.50	6.14	5.50	Found in addition ground barley.
Paoli Grow-Rite Turkey Mash (5668)	20.94	18.00	5.03	4.00	5.66	7.00	As Certified
Paoli Lay-More Egg Mash (5666)	20.13	18.50	5.44	4.50	6.01	5.50	Found in addition small amount ground screenings.
Paoli Poultry Fattener (5670)	17.69	14.00	4.96	3.50	4.85	5.00	As Certified
Paoli Start-Rite Chick Mash with Hopco XX Vitamin Concentrate (5671)	19.50	19.00	5.32	4.50	5.47	5.30	As Certified



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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Paoli Start-Rite Turkey Starter with Cod Liver Oil (5669)	25.81	25.00	6.28	5.00	4.54	7.00	As Certified
PARK & POLLARD CO., Buffalo, N. Y. Growing Feed (6096)	17.31	14.00	4.18	3.00	7.63	7.00	Found in addition ground grain screenings.
Lay or Bust Dry-Mash (6094)	19.31	18.00	4.72	3.00	6.89	7.00	Found in addition ground grain screenings.
Lay or Bust Dry-Mash with Manamar (6095)	22.06	18.00	4.80	3.00	6.42	7.00	Found in addition ground grain screenings.
Manamar Life Cycle Mash (5936)	19.50	16.00	4.24	3.50	8.77	6.00	Found in addition small amount ground screenings.
Manamar Life Cycle Mash (6097)	18.81	16.00	5.13	3.50	6.78	6.00	Found in addition ground grain screenings.
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, Harrisburg, Pa.							
Farm Bureau Economy Laying Mash (5890)	21.06	20.00	5.03	4.00	6.80	7.00	As Certified
Farm Bureau Growing Mash (5891)	20.00	17.50	4.66	4.00	7.34	6.50	As Certified
Farm Bureau Growing Mash (6425)	19.56	17.50	4.29	4.00	7.30	6.50	As Certified
Farm Bureau Mermash 16% (5889)	18.00	16.00	5.03	3.50	6.50	5.00	As Certified
Farm Bureau Mermash 16% (6426)	18.63	16.00	6.23	3.50	5.85	5.00	Found in addition bone.
Farm Bureau Turkey Growing Mash (5886)	21.19	19.00	4.24	4.00	7.19	7.00	As Certified
Farm Bureau Turkey Rearing Mash No. 1 (5887)	25.38	24.00	5.19	4.00	6.54	6.00	As Certified
PERRY & HENDERSON, Connelleville, Pa.							
Ideal Growing Mash (6286)	19.44	18.00	5.97	4.50	5.79	7.00	As Certified
Ideal Laying Mash (6287)	23.00	20.00	5.86	5.00	7.38	8.00	As Certified
PHELPS & SIBLEY CO., Cuba, N. Y.							
Big Egg Favorite Poultry Mash (6130)	21.00	20.00	4.81	4.50	7.79	7.50	As Certified
Big Egg Laying Mash with Cod Liver Oil (6133; 6332)	21.69	20.00	5.16	4.50	7.42	7.50	As Certified
Pasco Starting and Growing Mash with Buttermilk (6131)	20.81	18.00	5.35	4.00	5.79	7.50	As Certified
P. S. Growing Mash (6132)	18.31	17.50	4.72	4.00	7.05	7.00	As Certified
P. S. Laying Mash (6414)	22.25	20.00	5.75	4.00	6.35	7.00	As Certified
PINE CREEK MILL, Jersey Shore, Pa.							
Wayne Local Mix Chick Mash (5823)	17.19	16.00	5.43	3.50	4.62	6.00	As Certified
Wayne Local Mix Egg Mash (5822)	20.06	18.00	5.31	3.50	7.07	7.00	As Certified
PINE GROVE FLOUR & FEED MILL, Russell, Pa.							
Pine Grove Laying Mash (5696)	20.38	20.00	4.89	5.00	7.63	7.00	As Certified
Ruffacres Brand Baby Chick Food (5695)	21.00	19.00	4.94	5.00	7.18	9.00	As Certified
Ruffacres Growing Mash (5694)	19.25	18.00	4.72	4.50	7.05	8.00	As Certified
PRATT FOOD CO., Philadelphia, Pa.							
Pratt's Broiler Mash (5422)	18.81	16.50	4.17	4.00	6.24	6.00	As Certified
Pratt's Growing Mash with Buttermilk (6340)	19.13	17.50	5.08	4.00	6.50	6.00	As Certified
PRESTON & JAQUISH, Troy, Pa.							
Sweepstakes Egg Producer (5468)	20.13	17.50	5.46	5.00	7.19	8.50	Found in addition bone.
PRESTONS INC., Canton, Pa.							
Preston's Egg Producer (6163)	21.06	19.00	5.66	5.00	6.98	10.00	As Certified
THE QUAKER OATS CO., Chicago, Ill.							
Quaker Pul-O-Pep Broiler Mash (6042)	19.50	19.00	5.48	5.00	5.04	7.00	Found in addition bone and small amount ground screenings.
Quaker Pul-O-Pep Developer (6043)	15.44	15.00	5.33	5.00	7.88	9.00	As Certified
Quaker Pul-O-Pep Egg Mash (5963; 6044; 6439; 6467)	21.63	20.00	6.08	4.50	6.99	8.00	As Certified
RALSTON PURINA CO., St. Louis, Mo.							
Purina Chicken Fatena (6072)	16.94	14.00	4.82	4.00	7.44	7.50	As Certified
Purina Chicken Fatena Checkers (6068)	16.50	14.00	4.07	4.00	4.26	6.00	As Certified
Purina Chick Growena (5449; 5930; 6086)	17.19	15.00	5.33	3.50	6.95	7.00	As Certified
Purina Chick Startena (5393; 5728; 5935)	20.48	18.00	5.71	4.00	5.44	7.00	As Certified
Purina Egg Chowder (5934; 6071; 6214)	21.50	19.00	5.46	3.50	7.66	8.00	As Certified
Purina Hen Chow (5396)	11.81	10.00	3.01	2.50	2.55	4.00	As Certified
Purina Lay Chow (5450; 6067)	20.88	19.00	6.30	3.50	7.03	8.00	As Certified
Purina Layena (6066; 6143)	17.28	15.00	4.97	3.50	5.48	8.00	As Certified
Purina 32% Chowder (5447)	33.31	32.00	7.47	3.00	7.66	9.00	As Certified
THOMAS R. REEVE, Toledo, Ohio							
Success Laying Mash with Buttermilk and Cod Liver Oil (6040)	22.06	20.00	4.05	3.00	11.84	6.90	As Certified
C. C. REPLEGLE, Woodbury, Pa.							
Golden Seal Starting and Growing Mash (6224)	19.44	17.00	5.62	4.00	6.30	6.00	Found in addition bone, ground oyster shell and corn gluten feed.
REX GRAIN & MILLING CO., INC., Buffalo, N. Y.							
Rex Crown Laying Mash (5641)	21.75	20.00	5.23	4.00	6.05	7.00	As Certified
Rex Crown Starting and Growing Mash (5643)	18.69	17.00	5.07	4.00	3.05	4.00	As Certified
L. E. RHOADS, Selindegrove, Pa.							
Peerless Starting and Growing Mash (5593)	17.56	16.00	4.11	3.50	4.59	6.00	As Certified
RICHARDS & MENCER, Jersey Shore, Pa.							
R. & M. Laying Mash (5819)	16.50	18.00	4.85	3.50	8.19	9.00	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
RICHARDS MILLING CO., Cortland, Ohio	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Richard's Cash Laying Mash (5421)	20.44	20.00	4.24	3.00	6.08	6.90	As Certified
Richard's Cash Laying Mash (5328)	19.56	20.00	4.38	3.00	5.51	6.90	Found in addition salt and barley.
Richard's Growing Mash (5740)	18.31	18.00	4.57	3.00	11.39	6.00	Found in addition soybean meal.
Richard's Starting Mash (5737)	18.00	18.00	4.28	3.00	5.30	6.90	Found in addition soybean meal and coconut oil meal.
Richard's Thrift Laying Mash (5945)	20.06	20.00	5.00	3.00	8.40	6.90	As Certified
J. S. RILEY & SONS, New Castle, Pa.							
Pioneer Laying Mash Standard (5522)	24.56	20.00	4.77	4.00	6.05	6.00	Found in addition buckwheat middlings.
Pioneer Laying Mash Super Special (5523)	21.25	20.00	4.85	5.00	6.04	6.00	As Certified
H. ROCKWELL & SON, Canton, Pa.							
Hen-O-La Dry Mash with Cod Liver Oil (6271)	21.13	20.00	6.25	5.50	7.38	9.00	As Certified
Rockwell's Milk Mash for Poultry (6270)	22.06	19.00	5.94	4.25	5.76	7.00	As Certified
Rockwell's Starting and Growing Mash (6272)	17.38	15.00	6.13	4.50	6.89	7.00	As Certified
ROTEX MILLING CO., Cleveland, Ohio							
Rotex Egg Mash (6142)	20.00	20.00	4.12	4.00	5.78	7.00	As Certified
ROUX FEED MILLS, Sharon, Pa.							
Chick Starter (5538)	18.25	16.00	5.47	4.00	6.23	6.00	As Certified
Economy Chick Starter and Growing Mash (6330)	17.81	16.00	5.45	4.00	5.97	6.00	Found in addition oyster shell.
Economy Egg Mash (5539)	19.31	20.00	5.74	4.00	5.67	8.00	As Certified
Economy Egg Mash (6328)	22.25	20.00	5.34	4.00	6.45	8.00	Found in addition bone.
Egg Mash (5537)	19.44	20.00	5.79	4.00	6.27	8.00	As Certified
Egg Mash (6329)	21.13	20.00	5.17	4.00	6.02	8.00	Found in addition bone.
Growing Mash (5540)	17.75	16.00	6.08	4.00	7.22	6.00	As Certified
I. B. SECRIST, Millerstown, Pa.							
S & S Starting and Growing Mash (6017)	19.00	17.00	5.77	4.00	6.72	6.50	As Certified
S & S 20% Laying Mash (6014)	19.25	20.00	5.97	4.50	7.26	7.00	As Certified
SHAFFER STORES CO. MILL, Martinsburg, Pa.							
Penn-Alto Laying Mash (6490)	20.19	18.00	4.72	4.80	5.91	5.80	As Certified
ESTATE OF GEO. S. SNYDER, Hatfield, Pa.							
Snyder's Best Egg Mash (5661)	19.56	18.00	6.52	4.75	6.95	5.50	As Certified
Snyder's Growing Mash (5660)	16.50	17.50	5.21	4.75	5.76	6.00	As Certified
Snyder's Quality Egg Mash (5662)	18.00	16.00	4.68	4.50	8.32	8.00	Found in addition brewers dried grains.
Snyder's Starting Mash with 10% Milk (5659)	16.50	16.50	5.15	4.50	4.89	5.50	Found in addition ground barley.
STEELMAN POULTRY FARMS, Lansdale, Pa.							
Steelman's Hi-Quality All Mash Starter and Grower (5664)	19.25	18.00	4.79	4.00	4.87	6.00	As Certified
Steelman's Hi-Quality Growing Mash (5665)	16.81	16.00	4.61	4.00	5.16	6.50	Found in addition small amount ground screenings.
JESSIE C. STEWART CO., Pittsburgh, Pa.							
Red Letter All Mash Chick Starter and Grower (5511)	20.75	15.00	6.05	5.00	5.96	6.00	As Certified
Shadyside Egg Mash (5510; 5730; 5987)	17.32	16.00	4.38	4.00	7.59	8.00	As Certified
Shadyside Growing Mash (5515; 5986)	19.63	16.00	5.39	4.00	7.16	8.00	As Certified
SWOPE BROTHERS, Johnstown, Pa.							
Egg Mash (5245)	21.44	22.00	5.89	7.00	7.93	4.00	As Certified
Cackle Egg Mash (5244)	23.00	21.00	5.36	6.00	5.25	7.00	As Certified
A. M. THOMAS & SON, North Girard, Pa.							
Blue Ribbon Egg Mash (5423)	19.13	18.00	5.09	4.00	5.36	6.00	As Certified
E. S. THOMAS, Holcapple, Pa.							
Diamond T Economy Egg Mash (6047)	21.63	22.00	4.93	4.50	9.37	8.00	As Certified
Diamond T Egg Mash (6046)	22.88	21.00	5.33	4.50	8.22	8.00	Found in addition bone.
Diamond T Growing Mash (6045)	18.19	17.00	4.46	4.50	8.21	8.00	Found in addition bone.
M. S. THOMAS CO., Salladasburg, Pa.							
Salladasburg Top Notch Egg Mash (5799)	20.50	20.00	5.32	4.50	6.79	7.50	Found in addition ground barley.
Thomas' Egg Mash (5802)	19.00	18.00	4.89	4.97	6.25	6.00	As Certified
Thomas' Starting and Growing Mash (5801)	18.31	18.00	4.77	5.50	5.99	6.00	Found in addition corn gluten feed.
TIOGA MILLS INC., Waverly, N. Y.							
Chicotine with Cod Liver Oil (5958; 6260)	21.82	18.00	5.49	4.00	6.63	6.50	As Certified
Egatine with Cod Liver Oil (5464)	24.50	23.00	4.87	4.00	6.36	6.50	As Certified
Egatine with Cod Liver Oil (5954)	23.00	23.00	4.42	4.00	7.43	6.50	Found in addition small amount ground screenings.
Tasty Laying Mash with Cod Liver Oil (5465)	22.69	20.00	4.95	4.00	6.54	6.50	As Certified
Tioga Laying Food (5460)	20.25	18.00	4.64	4.00	6.46	6.50	Dried skim milk not detected.
Tioga Laying Food (5956)	20.31	18.00	4.25	4.00	7.46	6.50	As Certified
Tioga Starter and Grower with Cod Liver Oil (5463)	19.81	16.50	5.13	4.00	7.02	6.50	As Certified
Tioga Starter and Grower with Cod Liver Oil (5957)	19.63	16.50	3.33	4.00	7.57	6.50	As Certified
TOLEDO GRAIN & MILLING CO., Toledo, O.							
Camp's Red Ball Panto Crate Patner (5929)	17.44	12.00	4.75	3.50	6.35	6.00	As Certified
L. M. TORREY, Townville, Pa.							
Just-Right Chick Starter (5758)	18.25	16.00	5.77	5.00	6.03	6.00	As Certified
Just-Right Egg Mash (5759)	20.38	18.00	5.51	5.00	8.78	8.00	As Certified



TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
UBIKO MILLING CO., Cincinnati, Ohio	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Ubiko All Mash Developer (5653)	15.44	14.00	4.47	4.00	6.67	5.00	Ae Certified Found in addition ground barley and ground bone.
Ubiko All Mash Developer (6105)	16.31	14.00	4.79	4.00	6.11	5.00	
Ubiko Egg Mash (6106)	23.44	20.00	4.74	4.00	5.61	6.00	Found in addition ground bone.
THE URBANA MILLS CO., Urbana, Ohio							
Purity All Mash Developer (6433)	18.69	18.00	5.82	5.00	6.50	5.00	Ae Certified
Purity Buttermilk Egg Mash (5400)	20.44	20.00	5.70	4.50	5.51	5.00	Ae Certified
Purity Buttermilk Egg Mash (6437)	20.75	20.00	6.83	5.00	6.24	5.00	Ae Certified
Urbana Egg Mash (6432)	19.56	18.00	5.31	5.00	8.45	8.00	As Certified
Urbana Egg Mash (5402)	18.81	18.00	4.25	5.00	7.61	8.00	Found in addition small amount ground screenings.
Urbana Growing Mash (6438)	16.19	16.00	5.21	4.00	7.10	7.00	Aa Certified
VANDERVORT MILLS, Lacayville, Pa.							
Vandervort's Buttermilk Mash (6192)	22.19	20.00	5.39	3.50	5.05	5.00	Minerals identified: calcium carbonate.
Vandervort's Growing Chick Mash (6188)	18.06	18.00	5.09	4.00	5.83	6.00	Found in addition small amount ground grain screenings.
Vandervort's Laying Mash (6191)	19.50	16.00	4.47	4.50	6.34	11.00	Found in addition fish meal and ground barley.
Vandervort's Laying Mash (6253)	19.13	16.00	4.74	4.50	6.14	11.00	Found in addition bone.
Vandervort's Laying Mash with Completa Vitamins A,B,C,D,E,G (6189)	21.00	19.00	5.42	4.00	6.13	6.00	As Certified
WADSWORTH FEED CO., Warren, Ohio							
Special Egg Mash (5648)	22.44	20.00	3.88	4.50	13.19	8.00	Aa Certified
Superior Starting and Growing Mash (5647)	19.63	17.00	4.67	4.00	5.72	6.00	As Certified
C. Y. WAGNER & CO., INC., Bellafonte, Pa.							
Wagner's Chick Starter and Grower (5993)	19.88	16.00	5.98	3.00	5.48	7.50	Found in addition corn gluten feed.
Wagner's Poultry Mash (5991)	19.94	18.00	4.49	3.50	6.58	9.00	Found in addition charcoal and foam- grak.
WALDO BROTHERS, Wysox, Pa.							
Walbro Laying Mash (5313)	23.50	20.00	6.13	5.50	6.18	8.00	As Certified
WARREN CITY MILLS, Warren, Pa.							
Penn State Grower (5685)	18.00	17.00	4.41	4.00	8.64	6.00	Ae Certified
Penn State Starter (5682)	19.81	18.00	4.16	4.00	6.99	6.00	As Certified
Quality Egg Mash (5687)	20.44	19.00	4.14	5.00	8.19	9.00	As Certified
WELLES MILL CO., Wyalusing, Pa.							
Wellico Growing Mash (6088)	18.56	18.00	5.22	4.00	5.27	8.00	Minerals identified: calcium carbonate and animal charcoal.
Wellico Market Mash (6087)	20.25	19.00	4.72	4.00	4.94	9.00	As Certified
C. P. WENGER, Ephrata, Pa.							
Wenger's Chick Starter (5775)	20.75	16.38	5.10	6.61	7.93	5.02	Found in addition ground oyster shells.
Wenger's Growing Mash with Buttermilk, Meat Meal and Cod Liver Oil (5773)	20.31	15.00	3.09	4.00	6.59	5.25	As Certified
Wenger's Laying Mash with Buttermilk and Meat Meal (5774)	22.44	18.50	4.95	5.00	5.10	4.94	As Certified
E. E. WENTZ, Lock Haven, Pa.							
Wentz's 18% Egg Mash (5816)	18.94	18.00	4.85	5.00	7.44	8.00	As Certified
Wentz's Starting and Growing Mash (5817)	20.44	16.00	5.02	4.00	8.41	7.00	Found in addition bone.
WESTERN FLOUR CO., Charlaroi, Pa.							
Economy's Egg Mash (6292)	18.00	18.00	5.89	3.50	6.78	8.00	As Certified
A. H. WHITE, Monroeton, Pa.							
Whita's Bradco Laying Mash (5458)	21.50	20.00	4.67	4.50	6.15	6.00	As Certified
WHITE MILLING CO., Bloomsburg, Pa.							
Keystone Chick Starter Mash (5262)	19.69	18.00	5.46	5.00	4.58	6.00	As Certified
Keystone Egg Producer (5264)	16.81	17.00	5.26	5.00	5.96	7.00	As Certified
WOODBURY MILLING CO., Woodbury, Pa.							
Crown Growing Mash (6220)	16.69	16.00	5.82	4.50	4.72	6.50	Found in addition charcoal.
Crown 16% Laying Mash (6222)	15.81	16.00	5.20	4.00	5.92	6.50	Found in addition ground oat hulls.
Crown 20% Laying Mash (6221)	20.44	20.00	6.81	4.00	6.93	6.00	Found in addition ground oat hulls
Average	20.52	-----	4.69	-----	6.55	-----	
<u>PROPRIETARY SMALL ANIMAL FEEDS</u>							
ACME MILLING CO., Olean, N. Y.							
Acme Golden Dog Food (6039)	34.06	28.00	5.06	4.00	3.94	4.00	As Certified
ALLIED MILLS INC., Chicago, Ill							
Wayna Dog Food Krums (5345)	32.38	30.00	6.68	4.00	3.56	4.00	As Certified
ANDERSON GRAIN & FEED CO., INC., York, Pa.							
Anderson Dog Food (5837)	26.25	24.00	6.32	3.00	4.95	3.00	As Certified
ANIMAL FOODS CO., San Jose, Cal.							
Vigoral Brand Dog and Cat Food (6450)	6.05	5.20	0.91	1.50	0.69	0.58	As Certified
ARMOUR & CO., Chicago, Ill.							
Armour's Dog Food (6393; 6453)	12.52	12.00	4.10	3.50	0.73	1.00	As Certified
BAR-NONE SALES CO., San Jose, Cal.							
Bar-Nona Brand Dog and Cat Food (5844)	6.45	6.00	1.29	1.20	1.08	0.58	As Certified
Bar-Nona Brand Dog and Cat Food (6391)	6.70	6.00	1.78	1.20	0.90	0.58	As Certified

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
CALIFORNIA ANIMAL PRODUCTS CO., Inc. Oakland, California	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
Celo Dog Food (5858)	6.18	8.00	1.60	2.25	0.78	0.50	As Certified
Calo Dog Food (6209)	7.33	8.00	3.61	2.25	0.70	0.50	As Certified
CHAPPEL BROTHERS INC., Rockford, Ill. Ken-L-Ration Dog Food (5847; 6319; 6498)	9.51	9.00	3.87	2.00	0.95	2.00	As Certified
CLOVER FARM STORES, Cleveland, Ohio Kwik-Meel Dog Food (6207)	6.65	7.00	1.71	1.75	0.74	1.75	As Certified
CONSOLIDATED BY-PRODUCTS CO., Philadelphia, Pa.							
Merco Dog and Cat Food (6210; 6497)	10.80	10.50	4.35	3.00	0.77	1.00	As Certified
Merco Dog and Cat Food (5849)	12.00	10.50	3.49	3.00	1.23	1.00	As Certified
CUDAHY PACKING CO., Chicago, Ill. Telly-Ro Dog Food (6204)	11.46	12.00	3.77	3.00	0.38	1.00	As Certified
DAILY PACKING CO., Chicago, Ill. Delly Dog Food (6315)	12.65	12.00	4.06	5.00	1.39	1.00	As Certified
DOGGIE DINNER DIVISION OF THE LOUDON PACKING CO., Terre Reute, Ind.							
Doggie Dinner (5851)	8.24	8.30	2.64	2.90	0.59	0.26	As Certified
Doggie Dinner (6199)	7.19	8.30	1.97	2.40	0.61	0.40	As Certified
Doggie Dinner (6390)	9.57	8.30	1.90	2.40	0.95	0.40	As Certified
Doggie Dinner (6499)	8.94	8.30	1.86	2.40	0.92	0.40	As Certified
FOSTER CANNING CO., INC., Brooklyn, N. Y.							
Lucky Dog Food (6521)	7.52	8.00	1.49	2.50	1.38	1.00	As Certified
GLENDALE CANNING CO., Glendale, L.I., N.Y. Snappy Dog Food (6208)	8.68	7.00	1.94	2.25	1.19	1.00	As Certified
HALES & HUNTER CO., Chicago, Ill. Lucky Dog Supplement (6029)	23.13	22.00	5.48	4.00	3.21	6.00	As Certified
FRANCIS H. LEGGETT & CO., New York, N.Y. Bow-Wow Dog and Cat Food (6386)	6.32	7.00	1.43	1.00	0.99	1.00	As Certified
Bow-Wow Dog and Cat Food (6367)	7.25	7.00	1.76	1.00	1.17	1.00	As Certified
GEO. C. MELODY, Greensburg, Pa. Dr. Melody's Dog Food (5845)	7.72	4.99	1.37	0.67	0.92	3.91	As Certified
Dr. Melody's Dog Food (6202)	5.75	7.29	1.09	1.30	0.66	0.89	As Certified
S. E. MIGHTON CO., Cleveland, Ohio Mighton's #1 Dog Food (6368)	10.22	7.00	3.12	1.75	0.66	1.75	As Certified
Spot Dog and Cat Food (6206)	5.76	7.00	2.04	1.75	0.77	1.75	As Certified
MODERN FOOD PROCESS CO., Philadelphia, Pa.							
Thrivo Dog and Cat Food (5850; 6314)	12.34	10.00	4.85	3.00	1.76	3.00	As Certified
JOHN MORRELL & CO., Ottumwa, Iowa Red Heart Dog Food Diet A (5852; 6203; 6501)	11.57	11.00	3.65	3.00	0.71	1.00	As Certified
Red Heart Dog Food Diet B (5853)	10.98	11.00	3.10	3.00	0.93	1.00	As Certified
Red Heart Dog Food Diet C (5854)	11.78	11.00	3.98	3.00	0.82	1.00	As Certified
PET FOOD SALES CO., New York, N. Y. Terry Dog and Cat Food (5857)	7.29	10.10	1.25	2.80	0.95	1.12	As Certified
RATH PACKING CO., Waterloo, Iowa Dog-Gon Good Dog Food (6198)	11.59	12.00	3.73	3.00	0.60	0.75	As Certified
RICR PRODUCTS CORP., Chicago, Ill. Evr Redy Dog Food (6201)	8.35	8.00	6.10	1.00	0.81	2.00	As Certified
RIVAL PACKING CO., Chicago, Ill. Rival Dog Food (6317)	10.36	10.00	3.05	2.50	0.68	0.50	As Certified
SANDY'S PET FOODS INC., Chicago, Ill. Sandy's Dog Food (5972)	8.65	8.00	3.00	2.00	0.68	1.00	As Certified
Sandy's Dog Food (6205)	12.02	12.00	4.20	3.50	0.73	1.00	As Certified
Sandy's Dog Food (6384)	7.09	8.00	2.72	2.00	0.52	1.00	As Certified
SILVER KING CANNING CO., INC., Kansas City, Kansas							
Silver King Dog and Cat Food (6373)	8.68	8.00	2.39	2.00	0.99	0.50	As Certified
SWIFT & CO., Chicago, Ill. Pard Dog Food (6197)	11.41	10.50	3.41	2.50	0.63	0.50	As Certified
Pard Dog Food (6392)	11.37	10.50	3.19	2.50	0.61	0.50	As Certified
Average	10.99	-----	3.22	-----	1.12	-----	
<u>MISCELLANEOUS FEED</u>							
ALLIED MILLS, INC., Chicago, Ill. Super Soy (5717)	38.56	37.00	5.44	4.50	6.40	6.50	As Certified
BLATCFORD CALF MEAL CO., Waukegan, Ill. V-D (6466)	33.69	31.00	6.51	5.00	5.59	5.75	As Certified
C. W. BURCKHALTER INC., New York, N. Y. Burck Brand Powdered Skim Milk (5248)	34.63	32.00	0.96	0.75	----	----	As Certified
CENTER MILK PRODUCTS CO., Middlebury Center, Pa.							
Vita Brand Near Solid Buttermilk (6479)	11.69	11.00	3.76	2.00	----	----	As Certified
DAVES PRODUCTS CO., Denver, Colorado Dawe's Vitamelk Base (5663)	45.94	44.00	5.64	4.50	3.74	4.00	As Certified

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	Found	Guar.	Found	Guar.	Found	Guar.	
EAST COAST TRADING CO., Baltimore, Md. Oberco Soluble Minerals (5782)	P. ct. -----	P. ct. -----	P. ct. -----	P. ct. -----	P. ct. -----	P. ct. -----	Prepared Bone.
FAIRMOUNT CREAMERY CO., Omaha, Nebraska Fairmount's Better Pure Flake Buttermilk (6458)	36.50	32.00	7.41	6.00	-----	-----	As Certified
McMILLEN FEED MILLS, INC., Fort Wayne, Indiana Master Soy (5387; 5784; 5909; 6456)	38.26	37.00	5.11	4.50	6.06	6.50	As Certified
ULTRA-LIFE LABORATORIES INC., East St. Louis, Ill. Ultra-Life (6219)	25.50	19.50	6.85	4.50	3.83	4.50	As Certified
<u>ANIMAL BY-PRODUCTS</u>							
<u>Meat and Bone Scrap</u>							
BRADLEY & BAKER, Baltimore, Md. Bradake Brand 45% Meat and Bone Scrap (6462)	45.13	45.00	14.18	6.00	2.08	3.00	As Certified
GREENSBURG BY-PRODUCTS CO., Greensburg, Pa. Quality Meat Scraps (5910)	48.50	55.00	9.25	10.00	1.78	2.00	As Certified
THE MENHADEN FISH PRODUCTS CO., Baltimore, Md. 45% Meat Bone Scraps (6461)	48.25	45.00	12.22	6.00	2.07	2.00	As Certified
CHAS. R. SHOEMAKER INC., Philadelphia, Pa. Belgrade Brand 50% Beef and Bone Scrap (5656)	50.25	50.00	11.03	10.00	1.97	2.00	As Certified
Belgrade Brand 50% Beef and Bone Scrap (6335)	52.13	50.00	12.79	10.00	2.23	2.00	As Certified
Echo Brand 45% Meat and Bone Scrap (5654; 6336)	47.44	45.00	12.38	10.00	2.00	2.00	As Certified
Pureox Brand 55% Beef and Bone Scrap (5655; 6337)	56.91	55.00	13.66	10.00	1.68	2.00	As Certified
JOHN T. STANLEY CO., INC., New York, N. Y. Stanley's 45% Meat and Bone Scraps (5915)	45.00	45.00	11.75	10.00	2.76	3.00	As Certified
S. STRUNZ & SONS INC., Pittsburgh, Pa. Moreggs Meat and Bone Scraps (5924)	48.75	50.00	10.22	8.00	3.06	3.00	As Certified
Average	49.70	-----	12.14	-----	2.12	-----	
<u>TANKAGE</u>							
PITTSBURGH MELTING CO., Pittsburgh, Pa. Eureka Digester Tankage (5498)	58.75	60.00	6.44	5.00	1.26	3.00	As Certified
D. M. ROMBERGER, Elizabethtown, Pa. Romberger's Feeding Tankage (6470)	42.56	-----	21.37	-----	3.21	-----	As Certified
CHAS. R. SHOEMAKER INC., Philadelphia, Pa. Top Grade Brand 60% Feeding Tankage (6334)	58.63	60.00	13.50	6.00	1.07	3.00	As Certified
Average	53.31	-----	13.77	-----	1.85	-----	
<u>MARINE BY-PRODUCTS</u>							
<u>Fish Meal</u>							
ATLANTIC TRADING CORP., INC., Somerville, N. J. Atlantic Fish Meal (5251)	62.63	55.00	3.95	5.00	0.39	3.00	As Certified
CONSOLIDATED BY-PRODUCT CO., Philadelphia, Pa. Consolidated Fish Meal (5794)	61.06	55.00	6.25	8.00	1.22	2.00	As Certified
CHAS. R. SHOEMAKER INC., Philadelphia, Pa. Ground Fish Meal 55% (5657; 6333)	59.81	55.00	10.37	6.00	1.68	3.00	As Certified
Average	60.83	-----	7.73	-----	1.24	-----	

